



The Canadian Undergraduate Conference on AI

Artificial intelligence. *Real change.*



DELEGATE RESUME BOOK

March 6-7, 2021

Online Conference

RESUMES

1st Year | 2 - 36

| | | | | | |
|-------------------|---------------|----------------|----------------|----------------|--------------------|
| Aaron Xie | Celine Wan | Hongjun Chen | Kelly Yang | Patrick Lister | Shaun Kewal Ramani |
| Aly Khan Nuruddin | Daniel Joseph | Jai Mansukhani | Leon Zhu | Rabab Azeem | Syed Moiz |
| Ariel Johannes | David Tran | Jason Truong | Liam Salass | Rachel Yang | William Yang |
| Barath Velmu | Dylan Tran | Jolina Li | Mustafa Tariq | Ryan Saweczko | William Ye |
| Callum Sharrock | Eshaan Lumba | Joyto Roy | Nassim Botalbi | Sean Ashley | Zuhair Shaikh |
| Cameron Overvelde | Hilary Osler | Kelly Xu | Ngoc Nguyen | Shams Reza | |

2nd Year | 37 - 146

| | | | | | |
|---------------------|----------------------|-------------------|-------------------|------------------|-----------------|
| Abbas Hasan | Cameron Estabrooks | Hannah Mandell | Kevin Zhu | Phoebe Tan | Vaughan Love |
| Addison Weatherhead | Cameron Tao | Hannah Mascal | Kiera Lowman | Phoenix Liu | Warren Liu |
| Aditya Bhargava | Camila Izquierdo | Hoi Kei Tam | Kunalan Subagaran | Pranjali Bajaria | Warren Sucklal |
| Agnès Totchnig | Carson Pennington | Ilin Gusija | Kyle Chang | Qinyu Hou | Winnie Xu |
| Alan Guo | Charles Stuart | Inika Chikarmane | Latsky Harley | Renay Rahman | Yasmeen Hmaidan |
| Alex Webster | Christophe Gauthiere | Isabella Carias | Lexi Locca | Ronan Almeida | Yiren Wei |
| Ali Sharif | Christopher Iwamoto | Jacky Zhao | Lisa Yu | Ryan Turnbull | Zahfir Ayyoob |
| Alicia Lu | Claire Chang | Jacob Zimmerman | Mahad Rehan | Samuel Orr | Zoey Zhang |
| Alroy Zhang | Claire Murphy | Jai Prajapati | Manpreet Mahi | Sarah Nassar | |
| Aman Virani | Connor Massey | Jake Adair | Marc Quijalvo | Scott Justason | |
| Andy Liu | Danel Polyakov | Jessica Li | Marcos Acosta | Sophie Chu | |
| Anthony Dumais | Danica Du | Jessie Wu | Matthew Payne | Spencer Hill | |
| Anthony Jones | Elijah James | Jill Bennet | Mihir Kadiya | Stanley Hua | |
| Antoine Gregoire | Eric Wang | Johann Suarez | Mimi Han Nguyen | Siddharth Sharma | |
| Ben Graham | Erik Koning | John Cameron | Mir Enan Mubasher | Thomas Aubin | |
| Benjamen Pinsky | Ethan Callanan | Jonathan Li | My Tran | Thomas Mulvihill | |
| Benjamin Luo | Evan Melrose | Joshua Otten | Myles Macdonald | Thomas Schmidt | |
| Bhavini Rathod | George Trieu | Justin Bellavance | Nessa Kiani | Tiva Rait | |
| Brandon Ye | Grady Palfrey | Kareem Olatinwo | Noah Cabral | Turja Chowdhury | |
| Callum MacDonald | Han Weng | Kavin Zhu | Peter Gelgor | Ujan Sen | |

3rd Year | 147 - 271

| | | | | | |
|------------------|------------------|--------------------|---------------------|--------------------|----------------------|
| Aarti Singh | Baldemar Aguirre | Emma Paczkowski | Julia Cai | Nicolas Wills | Stanley Choo |
| Adi Zingman | Bennett Fahey | Eric Yuyitung | Kevin Ayala | Nolan Holmes | Stefanos Stoikos |
| Aditi Maheshwari | Brian Arthur | Ethan Bonnardeaux | Kevin Huang | Nolan James | Sydney Corbett |
| Adrian Wu | Caio Coelho | Evan VonOehsen | Lia Mason | Oleksiy Kovtonyuk | Tahseen Bin Taj |
| Aiden Horan | Cameron Howard | Griffin Clark | Luca Trombetta | Olivia Borel | Tanner Dunn |
| Aine Nuruddin | Cathy Yan | Hanna Dodd | Mackenzie Sharp | Osose Itua | Temitayo Odusemi |
| Ajay Mundt | Catherine Wu | Henry Dowd | Maddie Tanzola | Parker Rowe | Tristan Underwood |
| Alex Ker | Chanhakim Kim | Henry Tsui | Mahdi Kabir | Peter Youngson | Varun Bopardikar |
| Alexandra Werner | Charlie Mackie | Jack Perry | Malena Mendilaharzu | Phoebe Chen | Varun Lodaya |
| Alida Schefers | Christian Coutts | Jacob Laframboise | Matthew Mills | Prianka Hoque | Vimal Makenthirarasa |
| Amelia Kush | Danial Khan | Jacob Seiler | Matthew Rezkalla | Ria Stevens | Vishal Badam |
| Andrea Lau | Daniel Stewart | Jake Rakusin | Max Bennett | Robert McTague | Will Stewart |
| Andrew Fryer | Danna Liu | Jared Mejia | Michael Lee | Rose Goldfarb | William Du |
| Andrew Kates | David Deng | Jasdeep Singh | Michael Treagus | Sahel Patel | Xini Li |
| Angela Xu | David Hobson | Jason Li | Molly Shillabeer | Sean Pollen | Yassine Boutahar |
| Anirudha Verma | David Huang | Jasper Schaffer | Momin Sajjad | Sean Sutherland | Zedian Xiao |
| Anshul Pattoo | Derek Ma | Jesse MacCormac | Monica Stuart | Sean Zhao | |
| Anthony Reyes | Drew Barden | Joel Cross | Natalie Nova | Shrish Veerasundar | |
| Antonio Revilla | Elan Bibas | Joel Miller | Nathan Kowal | Shubham Bhardwaj | |
| Ariana Bakhtyari | Elena Mujal | Johnson Zhang | Nathanael Yao | Simon Bard | |
| Ashvin Ananthan | Elizabeth Song | Jose Luis Mangubat | Nayana Menon | Smeet Chheda | |
| Awni Altabaa | Emily Zhao | Josh Chang | Nicholas Calen | Sophia Epstein | |

4th Year | 272 - 342

| | | | | | |
|-----------------|--------------------|-----------------------|-------------------|------------------|-----------------|
| Adam Farley | Brendan Nugara | Esther Guerrier | Joshua Harris | Nick Totman | Val Kobilaski |
| Adam Grace | Caitlin Aspinall | Eunice Choi | Katie Lu | Owen Ren | Vee Nguyen |
| Alastair Noble | Cameron Khalili | Gabrielle Mehltretter | Keith Stack | Philip Tam | Vekshan Bundhoo |
| Alp Turkmen | Cameron Soregaroli | Garret French | Kelsey Horn | Sam Cantor | Walter Hasick |
| Ana Pleava | Connor Chappell | George Qiao | Kyle Air | Sarah Pak | Willem Atack |
| Andrew Brown | Connor Winters | Haoyi Qiu | Kyle Knobloch | Selina Yang | William DaSilva |
| Andy Wang | Daniel Forestell | Jack Demeter | Liana Evans | Sofie Hector | William Glazer |
| Awan Abadullah | Daniel Weintraub | Jack Grebenc | Lucas Borchenko | Sylvain Plouvier | Wissam Ghoudi |
| Ayushi Kardam | Denise Micu | Jada Buchanan | Luke Steenge | Tabassum Pasha | Yujin Cho |
| Azeem Quadri | Dylan Moss | Jade Codinera | Madeleine Liblong | Tania Sidhom | |
| Bella Zhong | Emily Mendelson | Jake Zeldin | Matt Wright | Thinh Phan | |
| Benjamin Tilden | Eric Fillion | Japinder Sandhu | Nick Cheney | Travis Cossarini | |

5th Year | 343 - 371

| | | | | | |
|--------------------|-------------------|--------------------|-----------------|----------------|--------------------|
| Alexandre Le Blanc | Fakid Hossain | Jordan Ingram | Mariam Jabara | Raed Fayad | Graduate 371-373 |
| Andrew Simonds | Hollis Holmes | Joseph Grosso | Martin Ethier | Ryan Ong | Michael Olson |
| Colin Cumming | Hoz Rashid | Joshua John | Matthieu Roux | Scott Gingrich | Ryan Persaud |
| Connor Cozens | Ian Ho | Kim Ly | Michal Roztocki | Spencer Dale | Thomas Hu |
| Delaney Stevens | Isabela Dominguez | Lena Malizia-Kelly | Michelle Ho | | |
| Emily Wang | Jae Makitalo | Leo Tronchon | Najid Otho | | |

Aaron Xie

Email: axie24@cmc.edu || github.com/aaronxie0000

Education

Claremont Mckenna College (GPA: 11.8/12.0) May 2024

- *B.A. Physics. Minor Computer Science*
- Center for Innovation and Entrepreneurship Fellow Program
- Courses: Data Structures and Algorithms, Accounting for Decision Making, Calculus 3

Shanghai American School (GPA: 3.96/4.0) May 2020

Skills

- **Frontend:** JavaScript, React.js, HTML, CSS, Sass, Firebase, Figma
- **Others:** Python, Pandas, Matplotlib, Java, Node.js, Express, SQL, Excel
- **Project Management:** Trello, Notion, Asana, Slack, Git, Github

Experiences

(Paid Position) Impact Research Assistant, Kravis Lab for Social Impact Sep 2020 – Present

- Analyze Uganda based startup *FLIP Africa* using logic model, user maps, data plan etc.
- Collaborate with two other RAs to successfully produce deliverables for *FLIP Africa*: impact report using user data, data collection outline, and survey tool

Intern, Winno App (Palo Alto, California) Jun 2020 – Aug 2020

- Analyzed 7mil+ lines of user in-app data to create trend graphs and report on sources of growth
- Presented competitive analysis research on competitor features and pricing
- Wrote script utilizing AWS to automate fetching and sending of app metric by email

Intern, Match Education Non-Profit (Shanghai, China) July 2019 – Aug 2019

- Planned, scripted, and hosted 4 videos in the Match Education science experiment series, distributed as free, supplementary classroom resource for rural teachers
- Coordinated two, weeklong teacher training camps; assisted visiting speakers

Team Captain and PR Manager, FTC Robotics Sep 2016 – May 2020

- Initiated and led the creation of the school robotics magazine to generate publicity across middle and high school, targeted at parents and students

Projects

Individual, Choice-Free-Cooking Web App (choice-free-cooking.web.app) Dec 2020

- Design and programmed responsive web-app using React.js and Firebase BaaS
- Using React Native coded IOS and Android apps of the same design
- Dynamically accesses backend data on multi-page app to provide user data

Co-founder, RentAUni Business Sep 2018 – May 2020

- Founded in-school business to rent out PE Uniform to PE students
- Serve 20+ students each week; \$150 in profits invested in inventory and improved packaging

Individual, Binge-Watch-List Web App (binge-watch-list.herokuapp.com) May 2020

- Built full stack app to search (from public API endpoint), store and display list of movies and comments using JavaScript, Node.js and NeDB

Team Captain, Intel Science and Engineering Fair Sep 2017 – Jan 2018

- Led team of three to meet deadline and adapt to unanticipated challenges, and successfully participate in the Intel ISEF Chengdu Regionals Fair
- Read and synthesized research papers for background research; design and conduct experiment

ALY KHAN NURUDDIN

FIRST YEAR ENGINEERING UNDERGRADUATE STUDENT

An independent, inquisitive and intrinsically-motivated individual that strives for sustainable technological development, collaborative engagement and pluralistic outreach.

EDUCATION

THE UNIVERSITY OF BRITISH COLUMBIA, VANCOUVER, BC
Bachelor of Applied Science [B.A.Sc.]

Sept. 2020 to Apr. 2025

COURSES

Chemistry in Engineering, Differential Calculus with Applications to Physical Sciences & Engineering, Introduction to Computation, Introduction to Engineering, Introductory Physics for Engineers, Principles of Microeconomics, Reading & Writing in the Disciplines

AWARDS

Simon Fraser University - StormHacks Hackathon · Best Alternate Reality Project Feb. 2021
An accolade recognizing innovation in artificial intelligence and machine learning.

The University of British Columbia · Outstanding International Student Award Sept. 2020
An entrance scholarship for commendable academic and extracurricular performances.

The University of British Columbia · Vancouver Award Sept. 2020
An entrance scholarship for outstanding curricular achievements and leadership attributes.

University of British Columbia · Conference Attendee Award Feb. 2021
A sponsorship for participation in the How to Change the World, Sustainability Conference.

PROJECTS

Water Treatment in Remote Communities · Faculty of Applied Science · Design Member Jan. 2021 to Feb. 2021
Proposed a semi-decentralized desalination plant for implementation in Van Anda following streamlined life cycle assessment, sensitivity analyses and stakeholder interviews.

Cardboard Chair for Ma'sai Schoolchildren · Faculty of Applied Science · Design Member Sept. 2020 to Oct. 2020
Engaged in stakeholder analysis, prototyping, and iteration to assemble a lightweight, durable, and affordable, \$2 chair, for deployment in low-income settings across Kenya.

Sustainable Power Generation for British Columbia · Faculty of Applied Science · Design Member Oct. 2020 to Nov. 2020
Identified the 'Site D' Hydroelectric Plant to be an ecological, equitable and economical technology for British Columbia, taking into account stakeholders needs and feasibility.

Grocery Bag Holder for Quadriplegic Individuals · Faculty of Applied Science · Design Member Nov. 2020 to Dec. 2020
Interacted with an occupational therapist to additively manufacture a hand-held device with 0.2% yield strength for a senior citizen with limited muscle spasticity.

Peer-Reviewed Research on Military Resilience · Faculty of Arts · Apprentice Researcher Sept. 2020 to Dec. 2020
Conducted a thematic review of six articles, extracted from Elsevier, ProQuest and PubMed, to substantiate the efficacy of a Mediating-Modality Model in curbing PTSD.

Adsorption Mechanism of Dyes · IB Diploma · Department of Chemistry · Apprentice Researcher July 2019 to Apr. 2020
Performed microwave-assisted synthesis of nickel nanoparticles using Green Chemistry Principles for treatment of Drimarine Red from textile effluent.

Prime Planet Inc. · IB Diploma · Department of Business Management · Apprentice Researcher Jan. 2020 to Apr. 2020
Implemented stakeholder mapping and steeple analysis to evaluate the sustainability of Toyota Motor and Panasonic's joint venture for lithium-ion battery production in the automobile industry.

Properties of Monosaccharides · IB Diploma · Department of Chemistry · Apprentice Researcher Jan. 2020 to Apr. 2020
Obtained partial charges through modelling and composed electrostatic maps to determine isomerism of D-Glucopyranose, α -D-Galactopyranose and β -D-Fructofuranose.

VOLUNTEERING

Global Encounters International Summer Program · Nairobi & Mombasa, Kenya · National Youth Representative July 2019
Amongst 61 participants from 16 nations at Global Encounters, a 25-day residential camp centered on volunteerism, leadership and global citizenship in Kenya.

Multidisciplinary Undergraduate Research Conference · Vancouver, Canada · Event Host Volunteer Feb. 2021 to Mar. 2021
Responsibilities include the facilitation, timing, and moderation of research presentations, logistical management, and event planning.

CONTACT

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📍 Vancouver, BC V6T 1Z4,
Canada
LinkedIn [linkedin.com/in/alykhannuruddin/](https://www.linkedin.com/in/alykhannuruddin/)

SKILLS

CITATION MANAGEMENT

EndNote
Mendeley
Zotero

COMPUTER AIDED DESIGN

AutoCAD
Fusion 360
SolidWorks
Tinkercad

DATA ANALYTICS

Google Sheets
Microsoft Access
Microsoft Power Bi

MICROSOFT OFFICE SUITE

Microsoft Excel
Microsoft PowerPoint
Microsoft Office

LANGUAGES

American Sign Language [Elementary]
English [Proficient]
Spanish [Intermediate]
French [Intermediate]
Urdu [Native]

OPEN-SOURCE HARDWARE PROGRAMMING

Arduino
Data Acquisition (DAQ) Module
Data Acquisition (DAQ) Simulator

PROGRAMMING LANGUAGES

C
LaTeX
Python

SOURCE CODE MANAGEMENT

GitHub
Microsoft Visual Studio
PyCharm

WORKPLACE COMPATIBILITY

Adaptability
Conflict Resolution
Critical Thinking
Empathy
Problem Solving
Professional Networking
Public Speaking
Strategic Planning
Time Management

Ariel Johannes



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London, Ontario

Profile

A proactive BSc Computer Science student at Western University with strong academic and volunteering experience. Possesses strong leadership and communication skills with fluency in English, Indonesian and Malay. Eager to learn new skills and grow as an individual.

Volunteering

Set Up Crew

Canada's Largest RibFest | Burlington, Ontario

Aug 2019 - Aug 2019

- Volunteered in the setup and management of the event prior to it running.
- Devised plans to increase the efficiency of traffic flow for customers.

Canada Day Team Member

Glad Tidings Church | Burlington, Ontario

July 2018 - July 2019

- Helped in the setting up of the event venue.
- Involved in the management and handling of
- Managed and supervised 3 booths running throughout the day.

Summer Kids Camp Counsellor

Glad Tidings Church | Burlington, Ontario

June 2018 - June 2019

- Involved in the planning and setting up of daily events running at the summer camp.
- Managed and supervised a small group consisting of 8 children.
- Involved in teaching important life skills to each small group.

Small Group Assistant

Bethany Community Church | St. Catherines, Ontario

Oct 2016 - Oct 2017

- Involved in teaching new immigrant children useful day-to-day english skills.
- Managed and supervised a group of children and planned events and activities to be done throughout the day.

Education

Western University | London, Ontario – Bachelor of Science,

Sep 2020 - Present

Honours Specialization in Computer Science

Corpus Christi Catholic Secondary School | Burlington, Ontario

Dec 2017 - July 2020

Skills

Languages: English (Native), Indonesian (Fluent), Malay (Fluent)

Coding: Proficient in Python and Java

Proficient in Microsoft Office, Apple's iWork and Google Suites

BARATH VELMU

barathvelmu@gmail.com +1 647-866-4113 Brampton, ON., L6P2M7
linkedin.com/in/barathvelmu/ github.com/bbarathV barathvelmu.medium.com

EDUCATION

University of Waterloo – Honours Bachelor of Mathematics, GPA: 3.96/4.00, Waterloo, ON Sep. 2020 – Apr. 2025

- Selected Coursework: Functional Programs, Algorithm Design, Data Abstraction, Algebra, Calculus

Harvard University – Boston, MA (online)

Oct. 2020 – Dec. 2020

- Selected Coursework: CS50W Web Programming with Python and JavaScript

SKILLS

Languages: Python, Java, C, JavaScript, HTML, CSS, SQL

Frameworks & Tools: Django, Spring Framework, MySQL, PostgreSQL, Kafka, Docker, Git, GitHub, Pandas, NumPy

EXPERIENCE

PointClickCare – Incoming Software Engineering Intern, Mississauga, ON (remote) May. 2021 – Aug. 2021

- Core Infrastructure

Horizon AI – Software Engineer, Waterloo, ON (worked remotely)

Nov. 2020 – Present

- Developed a feature in Django that receives JSON and automates SQL queries to display frontend data tables
- Reinforced Apache Kafka big data pipelines to enable client-side vehicle IoT data streaming and server-side dispatch
- Performed queries in cloud-native SQL database to facilitate batch data pipelines

Harled Inc. – Software Developer Intern, Kitchener, ON (worked remotely)

Aug. 2020 – Nov. 2020

- Introduced REST API approach and built the system design of Harled's Equipment Tracking System with team
- Automated GPS JSON responses with Python to decrease software testing time by 50%
- Leveraged PostgreSQL via Django ORM for storing and retrieving equipment data to promote development
- Troubleshoot, debugged code, and pushed changes onto GitHub saving ~5h/week on manual bug testing

University of Waterloo Data Science Club – Executive of Education, Waterloo, ON

Sep. 2020 – Dec. 2020

- Initiated and led "Python for Data Analysis" 1-hour live workshop for 30+ students covering Pandas and NumPy
- Coordinated a Zoom seminar on AI with Prof. Maura R. Grossman watched by over 55 students and was commended

University of Waterloo – Project Engineer, Waterloo, ON

Sep. 2020 – Nov. 2020

- Led a team of 3 researchers and managed a team-driven data analysis on Artificial Intelligence to understand the impacts of impure training data on machine learning models deployed in real-world applications
- Drove a failure analysis of the problems, formulated a solution design, and drafted an academic paper

PROJECTS

COVID-19 Cases Tracker

urlwee.com/covid

- Created a healthcare-focused web application using Java, Spring, HTML, Thymeleaf, and an open GitHub data repository from Johns Hopkins University, USA to display global COVID-19 cases

AWARDS/COMMENDATIONS

- Microsoft Learn Ambassador by Microsoft, USA (2021) for technical and leadership experiences
- SPE Vinyl Division Award by SPE Vinyl Division, USA (2020) for academic and outreach excellence
- Mentor by Hack The North, Canada (2020) for technical skills and experiences
- Youth Accessibility Leader by Employment and Social Development Canada, Canada (2020) for creating an online mental health program for the local community
- Two-Time 1st Place Winner of "Plasticurious Contest" by Canadian Plastic Industrial Association, Canada (2019/2020)
- Listed in INNER HERO book, published by HERO Intelligence Agency, Canada (2018) for strong academic record, community involvement, and past accolades

Callum Sharrock

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OVERVIEW

"If you want to master the mind and remove your governor, you'll have to become addicted to hard work. Because passion and obsession, even talent, are only useful if you have the work ethic to back them up" (David Goggins). I believe the processes and habits which surround us account for the person we become more so than our intentions. Therefore, I have focused on creating intentional habits which are conducive to the life I want to live: a life with meaning and hard work.

WORK EXPERIENCE

Xaxxon Technologies — Contractor

December 2020 to January 2021

- Assembled robots by using CNC machines, 3D printers, soldering, and circuitry.
- Worked on implementing a machine learning framework to detect objects from a live video stream.

Capilano University Bootcamp — Assistant Teacher

August 2018 and August 2019

- In charge of teaching 30 students game design in Unreal Engine using a modified version of C++.
- Introduced agile organizational methods into the student's workflow; now affecting 200 plus students in the way each student sets their goals and structure their days.

agile42 consulting ltd. — Assistant to Managing Director & CEO

2017 - 2020

- Administrative support for over 50 public and private training (approximately 1800 attendees) - includes setting up and preparing training equipment for each venue thereby learning the importance of accountability.
- Data input for over 50 public and private training using Excel and Google Sheets to process training feedback.
- Provided additional administrative support to the Managing Director and CEO as needed.

VOLUNTEER EXPERIENCE

Digital Media Academy (DMA)— Member/Volunteer

2017- 2020

- Selected to demonstrate my work to 50 OECD delegates on behalf of Vancouver, BC as part of the OECD's Future of Education and Skills 2030 initiative in order to give insight and ideas on what prepares students to shape their own future.
- Designed and produced electronic kinematics labs for School District 44's physics department using Arduino, a 3D printer, and circuitry to enable the physics department to more effectively teach 2D kinematics.

Cheakamus Center — Counselor

2017- 2020

- Spent over 300 hours demonstrating the codependent relationship we have with nature to approximately 1000 elementary school children.
- Worked in 5 groups of 12 students in single-week periods to facilitate an environment conducive to learning and engagement.

EDUCATION

University of Toronto

- HBSc - Projected 2024
- Major in Mathematics and Computer Science

Relevant Courses:

- Calculus with Proofs
- Physics I
- Intro to Computer Science
- Intro to Computer Programming
- Mathematical Expression and Reasoning for Computer Science

AWARDS

BC Excellence Award 2020

Provincial Leadership Award 2020

BMO Community Service Award 2019

UofT Nation Book Award 2019

Honour Roll with Distinction Grade 9 - 12

SKILLS

Programming (Python)

Latex

Arduino / Electronics

Microsoft Office

Agile Organizational Methods

Public Speaking

Cameron Overvelde

(647) 631-6306 | 134 Cheltenham Avenue, Toronto, ON | camovervelde@rogers.com

EDUCATION

Queen's University – General Engineering

Bachelor of Applied Science

Kingston, ON
Class of 2024

- **Cumulative GPA:** 4.23 / 4.30
- **Relevant Courses:** Introduction to Programming (A), Calculus I (A+), Engineering Practice (pending)

Crescent School

Ontario Secondary School Diploma

Toronto, ON
Class of 2020

- **Combined 11/12 Grade:** 96.1; Top Honour Roll; Top 4 Class Average
- **Relevant Courses:** AP Computer Science (99), Calculus and Vectors (97), AP Statistics (93) Advanced Functions (97)

RELEVANT PROJECTS

QMIND Artificial Intelligence Project – *Tweet-A-Stock*

Oct 2020 –

- Collaborated with a small team to code an AI model in Python that uses sentiment analysis on tweets with specific hashtags to predict the stock price of a company throughout the day
- Designed and wrote the code to scrape and clean old tweets to train the model

AP Computer Science Project – *Blackjack Game Interface*

Apr 2020 – June 2020

- Implemented object-oriented programming to create a fully functioning blackjack game in Java
- Developed flawless backend code and frontend graphics and sounds that earned my project 100%

WORK EXPERIENCE

Poolmaster

June 2020 – Aug 2020

Pool Technician

- Serviced customer pools, including pump maintenance, plumbing, heater installations, and leak detection to meet NSPF standards
- Worked in in-store retail, selling pool equipment and helping with customers' issues to provide a good experience and maintain relations
- Communicated with distributors to organize for deliveries and pickups of pool supplies

Multisport Instructor

Jul 2019 – Aug 2019

True North Sports Club

- Helped assist campers aged 5 – 10 to develop fundamental sports skills and prepare them for the next level of competition
- Created and ran daily lessons and drills to teach campers important sports and team concepts
- Communicated with parents to ensure they were satisfied with their child's camp experience

EXTRACURRICULAR EXPERIENCE

Arts Prefect – *Crescent School*

Sept 2019 – May 2020

- Elected by peers and staff to serve on a small team of school leaders.
- Collaborated with the team to run fundraisers for school events, such as the grad formal.
- Organized and promoted arts events that required public speaking in front of large audiences

Volleyball Club – *Leaside Thunder (OVA)*

Sept 2017 – Mar 2020

- Trained and competed with a provincially ranked team that competed at Ontario Provincials and Canadian Nationals.

ADDITIONAL INFORMATION

Technical Skills: Python, Java, Matlab, C++, Excel, PowerPoint, Word

Interests: Chess, Politics, Music, Golf

CELINE WAN-MIN-KEE

Email: mwanm074@uottawa.ca

Phone number: +1 (343) 987-8938

GitHub: [celinemk](#)

LinkedIn: [Celine Wan-Min-Kee](#)

I am currently interested in software development, IT, AI and digital transformation.

SKILLS

Technical skills

- Programming languages: Python, Java, HTML, CSS, JavaScript
- Source code management and version control: Git
- Good working knowledge of Microsoft Office programs: Word, PowerPoint and Excel
- Operating systems: MacOS, Windows systems

Soft skills

- Good analytical skills: produced progress and evaluation reports for science group projects
- Communication skills: debated in Model United Nations committees on sustainable development
- Bilingual proficiency in French and English, basic proficiency in Spanish and Chinese Mandarin

APPLIED PROJECTS

- Created a website promoting a workout buddy application by using HTML, CSS and JavaScript
- Designed a scrabble game helper on Python which returns all the possible words that can be formed with letters given in any alphabetical order
- Implemented a machine learning technique called the decision tree classification on Java

EDUCATION

Honours Bachelor of Science in Computer Science, Co-op program

2020 – 2025

University of Ottawa, Ontario

- CGPA: 10.0
- Faculty of Engineering: Dean's honour list and Merit Scholarship for Fall 2020

WORK EXPERIENCE

Mathieu Opticiens Mauritius, Optometric Assistant

July 2019

- Assisted optometrists during clients' eye examination
- Analyzed eye tests performed to determine eyeglass prescriptions

Clinique Darné Mauritius, Student Intern

June 2017

- Ensured efficient communication between departments regarding patients' medical record
- Managed patients' hospital admission and leave alongside the nursing staff

VOLUNTEERING EXPERIENCE

High School Solidarity Club Mauritius, Fundraiser

Oct 2019 – Dec 2019

- Coordinated bake sales to buy stationery for underprivileged children with the NGO Caritas
- Organized a school-wide sponsorship event to give backpacks of school supplies to these children

High School Human Rights Club Mauritius, Member

Nov 2019 – Dec 2019

- Raised awareness on handisport in collaboration with the NGO Dis-Moi
- Promoted events which showcased handisport activities alongside professional athletes

DANIEL JOSEPH

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Brampton, ON L6X 0R5

PROFESSIONAL SUMMARY

A diligent and well-organized computer engineering student with excellent interpersonal abilities. A creative and analytical problem-solver with keen attention to detail, who focuses on delivering the greatest user experience possible. I consistently invite opportunities to learn, while maintaining the goal of further developing useful skills.

SKILLS

- Project management
- Problem-solving
- Leadership
- Communication
- C/C++ and Python
- Adobe Creative Suite
- Microsoft Office

EDUCATION

Queen's University
Bachelor of Applied Sciences
2020-2024, cGPA: 4.0/4.3

- Computer Engineering, Innovation Stream

CERTIFICATIONS

Introduction to Design Thinking
Queen's University • 01/2021

- Experientially explored the phases of the design thinking process

AWARDS & RECOGNITION

QEC Winner • 01/2021

- Placed 1st at the Queen's Engineering Competition in the Engineering Communication event

Principal's Scholarship • 09/2020

- Entrance scholarship for those with a 95% average

Project Leader Award • 06/2020

- Recognized for outstanding leadership during client work

DECA International Finalist • 05/2019

- While representing Ontario, placed in the 95th percentile in the world for the Creative Marketing Project event

WORK HISTORY

Brampton Focus Community Media - Media Intern

Brampton, ON • 06/2018 - 09/2020

- Worked independently under the Board of Directors to produce content that consistently exceeded expectations and received positive reviews.
- To combat COVID-19, successfully utilized Amazon Web Services to host studio quality, on-demand livestreams.
- Produced a biweekly talk show, The Gen Z Journals, which highlighted the impressive work of teens throughout the GTA and reached over 520 viewers.

Raptors 905 - Project Manager Intern

Mississauga, ON • 09/2018 - 12/2018

- Lead a team of 3 under the Vice President of the Toronto Raptors to develop a marketing event at a Raptors 905 game that is now conducted annually
- Coordinated innovative strategies to accomplish objectives and boost long-term profitability following the approval.
- Implemented marketing strategies which resulted in 15% growth of customer base.
- Developed insights on marketing campaigns to assess performance against goals.

ACTIVITIES & INTERESTS

Queen's Vex U Robotics - Design Team Member

Kingston, ON • 09/2020 - Present

- Using C++, developed a Consistent Overhead Byte Stuffing (COBS) encoding algorithm to encrypt and decrypt the robot's computational data.

QMIND - Design Team Member

Kingston, ON • 09/2020 - Present

- Using Python, developed a supervised machine learning algorithm that classifies and sorts handwritten numbers.

Global Issues Leadership Team - Founding Member/President

Brampton, ON • 09/2017 - 06/2020

- Backed by the Ontario Ministry of Education, lead a team that analyzes and creates innovative solutions to international issues.

References Available Upon Request

David Tran

519-365-0090 | davidtranhq@gmail.com | linkedin.com/in/david-tran-b476851b5/ | github.com/davidtranhq | davidtranhq.github.io

LANGUAGES

C, C++, HTML/CSS/JS (nodeJS, React, Gulp, webpack), Python (numpy, PyTorch, TensorFlow), Lua (Love2D), Bash

PROJECTS

Digit Recognizer - github.com/davidtranhq/digit-recognizer

- Python interactive feed-forward MLP neural network that recognizes handwritten digits with up to 97.99% accuracy

QtBoy - github.com/davidtranhq/Qtboy

- Game Boy/Game Boy Color emulator written in C++ using the Qt Framework
- Improved performance by 100% by switching to a multi-threaded approach

Space Invaders - github.com/davidtranhq/space-invaders

- Emulator for the Intel 8080 microprocessor that plays Space Invaders, written in C++, SDL for graphics and audio

Morlog - github.com/davidtranhq/Morlog

- Derivative calculator and algebraic expression simplifier created with HTML/CSS/JS

EDUCATION

SEPTEMBER 2020 - PRESENT

University of Western Ontario - Honours Specialization in Computer Science

- 4.0 GPA

École secondaire catholique de Pain Court - Diplôme d'études secondaires de l'Ontario

- 98.1% GPA, Governor General's Academic Medal Recipient

EXPERIENCE

SEPTEMBER 2018 - MARCH 2020

Private Piano Teacher

- Created a business for teaching weekly private lessons to students under the age of 12
- Successfully maintained a studio of ~10 students during the school year
- Received students from recommendations due to high customer satisfaction
- Engaged young students in a one-on-one environment during 30 mins - 1hr lessons
- Monitored costs, revenue, and profits using Excel

SEPTEMBER 2018 - MARCH 2020

Swim Coach (Volunteer)

- Coached groups of 10-20 swimmers aged 5-14 1-2 times a week
- Communicated with parents and swimmers, maintained good interpersonal relations
- Collaborated with other coaches to develop detailed, time-specific practice plans

SEPTEMBER 2017 - MAY 2018

Orchestra Mentor (Volunteer)

- Provided free violin lessons to members of a school orchestra whose goal was to offer musical education for underprivileged students
- Fostered musical passion in young students, several continued in music after graduating

SKILLS

Fluent in English and French, Git, Photoshop, Entrepreneurship, Leadership, Teamwork, Communication, Dedicated, Quick Learner,

EXTRACURRICULARS

SEPTEMBER 2007 - PRESENT **Swimming: 2019 World Trials Qualifier. 2016 Canadian National Medalist. 2017-2019 Prov. Medalist**

SEPTEMBER 2007 - PRESENT **Music: Violin, RCM ARCT diploma in Piano Performance**

Dylan Tran

13384 87th Street North, West Palm Beach, Fl
(561) 827-0084
dhtran@g.hmc.edu

| | | |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| EDUCATION | Harvey Mudd College Joint Major in Computer Science and Mathematics Expected: May, 2024 | GPA: 3.67 |
| | Suncoast High School, Riviera Beach, Fl GPA: 3.95 AP Course: Computer Science A (5), Calculus BC (5), Physics C: Mechanics (5), Physics C: Electricity and Magnetism (5) | |
| TECHNOLOGY SKILLS | Programming Languages: Java, Javascript, Python Tools/Frameworks: Node.js, PyTorch | |
| RELEVANT COURSES | Intro to Computer Science (Black) - High Pass Single and Multivariable Calculus - High Pass Linear Algebra (In-progress) Principles of Computer Science (In-progress) Mechanics and Wave Motion (PHYS023A) (In-progress) | |
| RESEARCH EXPERIENCE | Research Assistance - <i>Florida Atlantic University Intern</i> FAU, Boca Raton, FL <ul style="list-style-type: none">• Constructed CNNs for prediction and multi-classification of diabetic retinopathy• Built and modify a 3D U-net to analyze the benefit of W-net on brain tumor segmentation | Jun.2019 - Jul.2019 |
| WORK EXPERIENCE | <i>Tutor - HMC Upward Bound</i> Twice a week <ul style="list-style-type: none">• Tutor potential first-generation college students in STEM subjects - biology, chemistry, computer science, and math• Equip students with skills that will help them approach problems and learn future topics | Sept.2020 - PRESENT |
| | <i>Head Coach and Webmaster - Mu Alpha Theta</i> Twice a week <ul style="list-style-type: none">• Coach the competitive algebra 2 team by teaching twice a week and creating worksheets• Sent out information emails out to members every other week | Aug.2018 - Mar.2020 |
| AWARDS | <i>2019 FAMAT State Competition - 3rd Place for Computer</i> <i>2019 Stetson High School Programming Contest - 10th place</i> <i>2019 UCF High School Programming Tournament - 25th place</i> <i>2019 National AP Scholar</i> | |



Eshaan Lumba

Villa 3, Cluster 17, Jumeirah Islands, Dubai, UAE elaa2020@mymail.pomona.edu +971563992110

Profile

DOB: 01/10/2002

Citizenship: Indian

Country of Residence: United Arab Emirates

Current Status: Freshman at Pomona College

Education

POMONA COLLEGE – 2020-

GPA: 12.00/12.00

Awarded Pomona College Scholar for Fall 2020 - Top 25% of the class

Freshman Year: Functional Programming and Discrete Math, Data Structures and Advanced Programming, Vector Calculus, Linear Algebra, Problems of Philosophy, Principles of Macroeconomics, Elementary Spanish, ID1 Seminar

AMERICAN SCHOOL OF DUBAI – 2018-2020

Grade 12: AP Computer Science A, AP Statistics, AP Calculus AB, AP Microeconomics, English, Spanish, self studied AP Calculus BC

Grade 11: AP English Language, AP Psychology, AP Macroeconomics, Physics, Math, Computer Programming, 3D Art, Spanish

Skills and Experiences

PROGRAMMING

Fundamentals of Java, JavaScript and Python

Functional programming - Gallina and Coq

Basic web development including HTML, CSS and Javascript

IOS app development using Swift

RA IN COMPUTER SCIENCE DEPARTMENT AT POMONA COLLEGE – JAN 2020 - CURRENT

Research in Usable Security using Web Development Tools for our experiment

DIGITAL PROJECT MANAGEMENT INTERNSHIP WITH LIFESTYLE – MAR 2018 - MAR 2018

Worked on Data Analysis, Problem Solving and Front-End Web Development

Hilary Osler
hosler1718@gmail.com
416-788-5823

EDUCATION

Queen's University, Kingston - *Faculty of Engineering and Applied Sciences*

Began September 2020

The Bishop Strachan School, Toronto - *Ontario Secondary School Diploma*

September 2006 - June 2020

AWARDS AND DISTINCTIONS

October 2019 | **BSS Service Learning Gold Award** - 200 or more community service hours

September 2019 | **Level 9 Piano, The Royal Conservatory of Music** - Completed theory, practical and history components with honours

June 2017 - 2020 | **BSS Head's List** - Obtained an academic average above 90%. Received in grades 9, 10, 11 and 12

WORK EXPERIENCE

Research Assistant - *Jardins de Metis/Reford Gardens, Metis-Sur-Mer, Quebec*

JULY 2020 - AUGUST 2020

- Performed background research on the rehabilitation of a sand pit into a public gardens, conservation area and horticultural research center

Junior Activities and Event Coordinator - *Cascade Golf and Tennis Club, Metis-Sur-Mer, Quebec*

JULY 2020 - AUGUST 2020

- Organized and ran morning crafts and activities for a group of 10 children aged 3-12
- In charge of all communication with club members about events, COVID-19 regulations, programs and tournaments

Ski Instructor - *Devil's Glen Country Club, Dunroon, Ontario*

DECEMBER 2017 - PRESENT

- Manage a group of six 3 to 7-year-old children
- Develop lesson plans that include improvement drills to teach new skiing techniques and engage children
- Evaluate the strengths and weaknesses of students to determine appropriate activities and terrain

EXTRACURRICULARS

Queens Machine Intelligence and Neuroevolution Design Team (QMIND) - *Queen's University*

SEPTEMBER 2020 - PRESENT

- Educate stream member - complete team projects and challenges to improve data analytics and machine learning skills, working towards applying them to real life scenarios

House Prefect - *The Bishop Strachan School*

SEPTEMBER 2019 - JUNE 2020

- Led a team of 12 House Heads to organize monthly school events
- Met and communicated with faculty advisors regularly
- Collaborate with prefect team to plan assemblies, service initiatives and other school events

Varsity & Select Soccer - *The Bishop Strachan School & Mooredale Soccer Association*

SEPTEMBER 2013 - JUNE 2020

- Co-captain of varsity soccer team (2019), CISAA champions (2019), voted MIP (2018)

Hongjun Chen

226-203-2741 • hongjun.chen2@mail.mcgill.ca • Montreal, QC • github.com/njchensl
linkedin.com/in/hongjun-c

EDUCATION

McGill University, Montreal, QC | Bachelor of Science

SEP 2020 – MAY 2024

- Intend to major in Software Engineering
- Cumulative GPA: 4.00/4.00
- Relevant courses

Introduction to Software Systems

Introduction to Computer Systems

Introduction to Machine Learning Bootcamp (MAIS202)

TECHNICAL SKILLS

- **Object Oriented Programming (OOP):** Java, Python, C#, C++, C
- **Web Development:** HTML, CSS, Bootstrap, React, JavaScript
- **Frameworks and Tools:** Spring Boot, .NET, Git, GitHub, Maven, CMake, MySQL, Linux

PROJECTS

Pilot Utilities (HTML, CSS, JavaScript, React.js, Bootstrap)

- Using React and Bootstrap, developed a single-page web application containing utilities that are useful to private pilots
- Utilized third-party REST APIs to obtain the latest airport weather information
- Deployed the application to Firebase at pilot-utils.nanjingchj.me

JMessenger (Java, Kotlin/JVM, concurrent programming, socket programming)

- In a team of 2, designed and implemented a messenger program that supports AES-256-GCM encryption within the time constraint of 4 weeks
- Developed a versatile and reliable plugin loading and management system
- Designed a visually appealing UI

Shop AR (Flutter, Dart) – Code.Jam(2020) Hackathon

- Worked in a team of 4 to develop a cross-platform mobile application that allows furniture shoppers to visualize the furniture in their home using AR before making the purchase
- Won the echoAR sponsored challenge

Sharp String (C#, .NET)

- Re-engineered the string type in C# using small string optimization
- Managed to improve small string performance by 24% and large string performance by 11%

EXPERIENCE

Volunteer Project Lead

DEC 2020 - PRESENT

Meet the Need MTL

- Led an interactive map project that allows users to interact with a database of food banks in Montreal
- Technologies used: React.js, Spring Boot

Software Division Member

OCT 2020 - PRESENT

McGill Robotics Mars Rover Team

- Led a robotics simulation project and built a simulation environment using Unity3D and C# to accelerate software/hardware development and testing
- Designed a custom object serialization system to facilitate data exchange between Unity and ROS
- Improved simulation performance and doubled the framerate by designing a buffer swapping mechanism and using parallel programming techniques
- Collaborated with electrical and mechanical engineering teams and developed C++ robotics software to compete in the University Rover Challenge (URC)

ABOUT ME

Over 6 years of leadership in and out of the school of positions such as the athletic team, student council, prefect, and Sports Captain. MS Office proficiency in MS Excel, Word, PowerPoint, and Teams. Strong communication skills are built upon by my role as a student council member and in leadership positions, school spokesperson and event coordinator, as well as multiple MUN conferences. Built an application called Ace it, with a team of 3 people. The application is in current redevelopment and will be re-released soon. I have a strong work ethic and I'm always eager to approach problems with new ideas to create strong solutions.

LINKS

LinkedIn:

<https://www.linkedin.com/in/jai-mansukhani-b748b1142/>

JAI MANSUKHANI

STUDENT



Dubai , UAE / Toronto, Canada



+971553446374



jai.mansukhani@mail.utoronto.ca

WORK EXPERIENCE

ACE IT

Jan 2019 - Present

Co-founder

Co-founder of mobile application Ace it. Working on the application with a team of 3 people, brainstorming to develop an app that provides students with easy access to notes, lectures, and different past exam papers. ACE IT increased efficiency and productivity by almost over 50% through features that allowed for quick and easy materials needed by students. The app is currently being redesigned and will re-launch soon.

FLYDUBAI

Dubai

Jul 2018 - Aug 2018

E-commerce Intern

Working on microsites to better user experience on the website

Helping the team by providing new ideas to further ease the process of booking your next holiday!

Creating excel spreadsheets to fill in information for different destinations.

FLYDUBAI

Dubai

Aug 2017 - Sep 2017

Network Intern

Creating a standard operating procedure (SOP) - set of step-by-step instructions compiled by an organization to help workers carry out routine operations.

Working and testing new applications for flydubai operating systems

EDUCATION

UNIVERSITY OF TORONTO

Toronto

2024

Bachelor of Science

Intended major in Computer Science

DUBAI GEM PRIVATE SCHOOL

Dubai

2020

High school diploma

AWARDS

- Young innovators award - 2019
- Attended 3 conferences that helped to improve public speaking, debate, extensive research, and analysis skills while winning the award for runner up Best Delegate. Also chaired for the councils at these conferences.
- Engineering STEM Competition - 1st Place (2019)
- Construction of Robotic Hand - 2nd Place (2019)
- Sports Captain 2019-2020

SKILLS

PYTHON



MICROSOFT OFFICE



COMMUNICATIONS



QUICK LEARNER



TIME MANAGEMENT



Jason Truong

jason.truong@ryerson.ca / 647 904 5812 / LinkedIn: jasonn-truong / Git: jasont9923

Projects

Lucid / Top 6 Finalist at QHacks 2021

Jan 2021

- Built an app called “Lucid” which uses object and text recognition and a specifically curated UI so that it can act as eyes for the blind
- App used Google Cloud Vision API, ML Kit, Java, XML, and Android Studio

Boardy

Dec 2020

- Boardy is an app that brings new life to board games with missing components
- App contains a dice, coin flip, timer, and score sheet
- Developed in Java and Android Studio

Experience

Ryerson Computer Science Course Union

Sept 2020 - present

- **Deputy of VP Operations**
- Voicing the concerns of CS students to make a positive change in the faculty
- Planning and advertising events and workshops that aim to boost CS student's morale and opportunities

Online Freelance Tutor

Sept 2020 - present

- Helping elementary students understand their work to ensure academic success
- Creating and assigning homework for practice to students
- Using Zoom to safely teach students online and having an email to answer their questions off hours

Assembly Worker at Antamex Industries

June 2019 - Sept 2019

- Recorded quantity of parts and material for the assembly of windows
- Assembled metallic window sills

Soft Skills

Creative



Problem Solver



Communication



Strong Work Ethic



Hard Skills

Java



Python



HTML



Android Studio



Education

BSc. Computer Science / Ryerson University

2020 - 2025 (expected)

cGPA: 4.26/4.33

Interests

Mobile App Development, Artificial Intelligence, Robotics, Photoshop, Cooking, Travelling

JOLINA LI

Vancouver, BC, Canada, jolina.li@mail.utoronto.ca, (604)-722-8172

EDUCATION

UNIVERSITY OF TORONTO - ST. GEORGE

Honours Bachelor of Science, Computer Science and Cognitive Science

TORONTO, ON

JUNE, 2024

- 4.0 / 4.0 GPA (Cumulative)
- Relevant Coursework: Introduction to Computer Programming, Introduction to Computer Science, Mathematical Expression and Reasoning for Computer Science, Calculus with Proofs, Cryptology
- Technical Skills: Python (Proficient), HTML (Basic), CSS (Basic)
- Languages: English (Native), Mandarin (Advanced), Japanese (Intermediate), French (Intermediate)

PROJECTS

THE MATTER LAB - AI FOR DISCOVERY AND SELF-DRIVING LABS

RESEARCH APPRENTICE FOR DR. SAGI EPPEL, MR. HAOPING XU

JAN 2021 - PRESENT

- Research computer vision for creation of visually-aware robotic systems that can carry out chemical and materials science experiments
- Loaded 25000 objects/models into Blender to change their material properties

QOOM, INC.

APPRENTICE (QOOM CREATOR GROUP)

OCT 2020 - DEC 2020

- Supported user navigation on Qoom's website development environment by developing chatbot prototype with teammate; used Python for functionality and HTML/CSS for user interface and experience
- Presented weekly on development progress to company founders

TECHACKS HACKATHON - VIRTUAL

AWARD WINNER

AUG, 2020

- Worked on making eye health check-ups more accessible by developing a website, with 2 teammates, that features 3 digitalized common eye-tracking tests for evaluation on underlying neurological disorders; used Qoom's website development environment which uses Python, HTML, CSS
- Team received Qoom-sponsored prize, an invitation to the apprentice software developer program at Qoom, Inc.

TECHNOVATION GIRLS COMPETITION

CHALLENGER

MAR 2020 - MAY 2020

- Promoted climate change education and beneficial action by collaborating on Android app prototype that teaches individuals about the impact of their everyday actions and challenges them to adjust their lifestyles through sustainable tasks; used MIT App Inventor which uses Java in block coding

LEADERSHIP & ACTIVITIES

EARTH LOVERS CLUB

FOUNDER & PRESIDENT

MAY 2017 - JUN 2020

- Prevented toxic waste ingestion by animals and clogged catch basins by leading and managing weekly neighbourhood cleanups which cleaned up about 100 large bags of street litter over 3 years; contributed to reducing single-use plastic items at my high school's cafeteria by starting an initiative that increased discussion with the school board and authorities; grew our club from 2 to 20 people and led a team of 5 executives

LEADERS OF HOPE CLUB

CO-PRESIDENT

SEP 2016 - JUN 2020

- Organized 11 musical performances at 7 different senior care homes; coordinated 10 letter-sending service events that promoted kindness in the school community; hosted 1 seminar on the refugee crisis with Tedx speaker Mohammed Alsaleh and advocate Saleem Spindari with about 50 attendees and 30 large bags of donations for resettlement families; raised over 1000 early literacy books for refugees learning English

ACHIEVEMENTS

- Terry Fox Humanitarian Scholarship Award 2020 (\$28K), Dogwood District/Authority Scholarship 2020 (\$1.25K)
- Greenest City Leadership Award - Youth Category 2019, Vancouver Quadra's Hidden Hero Award 2018
- SHAD Science & Engineering Summer Program 2019

EDUCATION

Lakehead university

Candidate for Bachelor of Engineering in Civil Engineering,

Areas of Interest: Structural Engineering

Awards: Ontario Scholar (2019).

Thunder Bay, ON

2020 - present

WORK EXPERIENCE

Walmart

Store assistant

STC mall, Scarborough

9/2020 – present

- Helped customers find the products they are looking for.
- Worked as a team to ensure a safe workplace.
- Ensured high quality products are available in dairy and frozen.
- Kept area clean, sanitized, and customer ready.

Centreville Amusement park

Centre Island, Toronto

Ride Operator

05/2019 – 09/2019

- Assisted guests on and off the attraction. Operated ride in a safe manner consistent with TSSA and Company operating procedures.
- Explained safety procedures to riders and ensure they are followed correctly.
- Enforced all safety regulations and stay current with TSSA safety rules and regulations.
- Helped patrons entering and exiting ride.
- Explained safety procedures to riders and ensure they are followed correctly.
- Assured that all aspects of the ride cycle comply with normal safety procedures.

Primerica

North York, Toronto

Financial Consultant

05/2020 – 09/2020

- Attended training to learn how to grow networks.
- Helped costumer with their financial needs such as insurance.
- Worked as team to maintain companies' goals.
- Learned how Multi networking works.

LEADERSHIP AND OTHER AFFILIATIONS

Engineering Student Society of Lakehead University (ESS).

09/2020 – present

Member

- Attended ESS's multiple events and approached it in professional manner.

Hack The Valley (Hackathon).

01/2020 – 02/2020

- Lead a team in this event where we made games using C programming language.

Student council

01/2019 – 06/2019

Vice – president (Birchmount Park Collegiate Institute)

- Represented students and student council in every aspect.

SKILLS AND INTERESTS

Computer: Auto Cad, Floor Planner, VS code, Wing, Python, C, word, Excel, PowerPoint, Google sheets.

Language: English, Bengali, Hindi | Interests: Visual drawing and painting, crafting, Software, Structures.

Soft Skills: Time management, Team work, Communication skills, Flexibility, Ethics.

Reference: INFRASTRUCTURE OPPURTUNITIES PARTNERSHIP PROGRAM (IOP).

KELLY XU

kelly.xu@queensu.ca I 647-828-3852 I <https://ca.linkedin.com/in/kelly-xu-> I kelly-xu.com

EDUCATION

Queen's University

Bachelor of Commerce

Kingston, Ontario

2020 – Present

- **Academics:** 4.15 GPA, Excellence Scholarship awarded for over 90% cumulative GPA

- **Activities:** First-Year Representative on Queen's Asian Association, Queen's Women in Leadership First-Year Member

Jarvis Collegiate Institute

Ontario Scholar & Ontario Secondary School Diploma

Toronto, Ontario

2016 – 2020

- **Academics:** Honour Roll Distinction, Staff Award (2020), Jarvis Alumni Award (2018), Art Award (2017)

- **Activities:** President of Bike Club, Elected Grade Representative on Student Council, Treasurer on Athletic Council

PROFESSIONAL EXPERIENCE

MaRs Discovery District

Youth Innovator

Toronto, Ontario

November – Present

- Led two focus groups to conduct Gen Z market research; developed a competitive analysis to executives expand brand visibility and awareness
- Coordinated cross functional project team of 15; built timeline of implementations, and presented updates to senior executives

Royal Bank of Canada

UX/UI Designer

Toronto, Ontario

2019

- Designed a new employee app targeted to reduce miscommunication across departments; wireframe and developed prototype
- Collaborated in running two user testing sessions and analyzed 90% positive feedback on initial user feedback

Green Thumbs

Youth Researcher

Toronto, Ontario

2017 – 2018

- Conducted interviews from 40 participants and redeveloped an implantation program used today; overhauled existing database
- Praised by audience from presentation of discoveries to over 100+ audience at the National Food Conference in Ottawa; moderated discussions and answered audience's questions

EXTRACURRICULAR EXPERIENCE

Queen's Asian Student Association

First-Year Representative

Kingston, Ontario

September – Present

- Initiated three marketing strategies including print, social media, podcast to amplify social media followings by 10% within 3 months and organized awareness about Allyship, and BIPOC consciousness
- Arranged meetings and drafted proposals; motivated club culture by organizing virtual zoom socials; strengthen team morale and fostered team collaboration

SHAD

Project Lead

Vancouver, British Columbia

2019

- Worked alongside Materials Engineering department at University of British Columbia to develop a working prototype for an environmentally friendly, redesigned showerhead reducing water wastage
- Received first place in Prototype area (1/7 teams) after presenting to judges at summer STEM program

ADDITIONAL INFORMATION

- **Distinctions:** Queen's Case Competition 2020 – 3rd of 20 Teams (2020); EY Challenge Queens (2020) – Top 4 of 10+ teams (2020); Queen's Commerce Mental Health Association x RBC – Top 7 of 25+ teams (2020)
- **Projects:** [Parking App Prototype that reshapes the Way Torontonians Park](#), designed bicycle art sculpture project through securing a \$5000 grant from Toronto Arts Council to 200+ attendees at the Taste of Regent Park
- **Interests:** Visual arts, biking, watching netflix, baking, discovering new coffee shops in downtown Toronto

Kelly Yang
kelyang@hmc.edu | 510-926-5167 | 830 Los Pinos Place, Fremont, CA 94539

EDUCATION

Harvey Mudd College
BS, Computer Science

GPA: 3.5/4.0

Claremont, CA
Expected May 2024

Relevant Coursework: Intro to Computer Science, Computer Science Principles, Discrete Mathematics, Linear Algebra, Mechanics and Wave Motion

Mission San Jose High School

High School Diploma GPA: 3.93/4.0
Completed AP courses in Physics 1, Physics C Mechanics, Electricity and Magnetism, Calculus BC, Statistics
Codecademy - Self-Study Course - Computer Science (Python and C++)

Fremont, CA
Graduated June 2020

AWARDS AND ACHIEVEMENTS

Harvey Mudd College National Merit Scholarship Recipient
Conrad Spirit of Innovation Challenge - Pete Conrad Scholar
Technology Student Association - National Finalist

SKILLS

Programming languages: Python, C++, Java, Racket
Software: Adobe Illustrator, InDesign, PhotoShop; Microsoft Office Suite

WORK EXPERIENCE

Harvey Mudd College
Grader/ Tutor, Computer Science Department

Claremont, CA
January 2021 – Present

- Tutored fellow college students in intro to computer science courses.
- Graded and gave feedback on homework assignments and projects.
- Held weekly tutoring sessions to help students with labs.

SLAC National Accelerator Laboratory

Student intern
• Worked with a graduate student leading the LUX-Zeplin Dark Matter Project.
• Collaborated with a team of three interns to create an electric motor.
• Presented a report on the LZ Project before SLAC scientists and engineers.

Menlo Park, CA
August 2018 – August 2018

VOLUNTEER EXPERIENCE

STEM Success
Tutor, Calculus

Fremont, CA
August 2018 – June 2020

- Mentored three underclassmen in understanding calculus concepts.
- Assisted students in one-on-one settings to create a safe space for skill-building.
- Successfully helped students increase their grades.

LEADERSHIP

The Smoke Signal newspaper
Feature Editor

August 2017 – June 2020

- Led team meetings to successfully publish articles within the appropriate time frame.
- Revised and edited articles to be published in the monthly newspaper.
- Designed the newspaper from scratch with graphic design tools.

ORGANIZATIONS

Society of Women Engineers, HMC
Association of Computing Machinery, The Claremont Colleges
Project Member, P-ai, Project-based AI organization

August 2020 – Present
August 2020 – Present
August 2020 – Present

Leon Zhu

lehzhu0@gmail.com

647-916-5156

Experience

Analyst

Western Investment Club
2020-Present

- Weekly research on emerging financial trends, with guidance from industry professionals
- Through analysis of company fundamentals with data computation on large volumes of data
- Presenting findings to stakeholders in a mock pitch with extensive data visualization

Director of External Relations

Conchordium Inc.
2017 - 2020

- Acute leader, applying business strategies to the philanthropy field with strong emphasis on performance indicators
- Planned summer innovation event with 1000+ engagement, 50 onsite attendees
- Expanded organisation from 5 to 40 members, and from North York to entire GTA

Chief Returning Officer

Power Unit Youth Organisation
2017-2019

- Managed annual election and transition for the largest philanthropic youth organization in York Region
- Previously communications coordinator for E3 Challenge, managing two months of business competition
- Spearheaded department representation at annual strategic meeting, setting direction for next 2 years

VP Finance

ALPS Inc.
2017-2018

- Oversaw all financial handling, managing a team of five
- Finalist for Return on Investment award

Education

University of Western Ontario

BSc Honours Specialization in Computer Science
GPA: 4.0
2020-2025

Victoria Park Collegiate Institute
International Baccalaureate Diploma
2016-2020

Skills

- Business strategy in entrepreneurial settings
- Python, SQL, Java, MongoDB, with DataCamp certification track
- Unified Modeling Language and Version Control through use in projects
- Software Development Life Cycle
- Investment finance; started two financial communities with 115,000+ membership
- Writer for Oculus Inventia, a peer publication for editorials on the politics of technology

Awards

- StudentStarts Canada National Champion
- National High School Business Competition Finalist 2018, 2018, 2019
- FBLA Provincial Champion
- EnactusHacks Category Winner for innovative voice-enabled shopping experience

Liam Salass

520 Victoria st., K7L4A1.

liamsalass@yahoo.com / m: (647)-545-9600.

BIOGRAPHY

Highly motivated high-school senior with demonstrated interests in computer science, mathematics, teaching, and coaching sports.

EDUCATION

The York School, Toronto, ON

2007-2017

North Toronto Collegiate Institute:

2017-2020

Relevant Coursework: Financial Accounting, Computer Science, Calculus, Physics, Chemistry.

Activities: Varsity Football (Rookie of the Year), Snowboarding Team, JV Soccer.

Queens University: General Engineering First Year

2020-2021

PROFESSIONAL EXPERIENCE

Snowhawks, Toronto, ON — Snowboarding Instructor.

January 2018 – Present

- Instructing a group of 5 kids on developing intermediate to advanced snowboarding skills over the weekends.
- My responsibilities include supervising children on and off the slopes, as well as on a bus to and from the mountain.
- **Employer:** Mitch Gorski
 - **Email:** toronto@snowhawks.com

True North Sports Camps, Toronto, ON — Camp Counsellor

July 2nd – August 3, 2018

- Counsellor/Coach position at their soccer camp, working with kids between the ages of 3 - 13 and responsible for a maximum of 10 campers at a time.
- My duties included setting up camp equipment, supervising, explaining and instructing soccer skills, creating a friendly and positive environment, and providing entertainment.
- **Supervisor:** Chantal Knorren-McGrath
 - **Number:** 780-850-8850
 - **Email:** knorremcgrathc@gmail.com

Clavero Soccer Academy, Toronto, ON – Assistant Counsellor

July 5 – 14, 2017

- Volunteer position as an assistant to soccer coach, instructing and supervising kids between the ages 10 - 12 at a soccer camp.
- This was my first experience teaching kids' soccer, which trained me in how to properly coach and lead groups of children toward their athletic goals in a competitive environment.
- **Supervisor:** Mychel Clavero
 - **Email:** myclaveros@hotmail.com

SKILLS, LICENSES, & ADDITIONAL INFORMATION

- **Programs:** Turing, C++, Java, Processing.
- **Leadership Qualities:** Leadership skills honed from the successful completion of Leadership In Training (L.I.T), Snowboard Teaching Certification, and pedagogy programs.
- **Certifications:** Bronze Cross Certification, Standard First Aid Certification, and CASI level 2 certification.
- **Languages:** French (Intermediate), Farsi (Basic)

*I am an American-Canadian dual citizen

Kingston, ON, Canada
+ 1 (647) 200-3148
mustafatariqk@gmail.com
linkedin.com/in/mustafa-tariqk

MUSTAFA TARIQ

github.com/mustafa-tariqk
kaggle.com/mustafatariqk
leetcode.com/mustafa-tariqk
stackoverflow.com/u/13710360

EDUCATION

| Kingston, ON, Canada | Queen's University | September 2020 – May 2024 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|---------------------------|
| <ul style="list-style-type: none">Bachelor of Computing (Honors) Specialization in Software Design GPA: 4.3Queen's University Excellence Scholarship Recipient <i>90.0 - 94.9% average in high school</i>Coursework: Introduction to Computer Science I & II, Discrete Math I, Introduction to Statistics, Linear Algebra, Differential and Integral Calculus, Principles of Economics | | |

ORGANIZATIONS

| Head Software Developer | W5 Accelerator (GreenCap) | January 2021 - Current |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------------------|
| <ul style="list-style-type: none">Created <i>RESTful API</i> using <i>AWS API Gateway, Lambda, and DynamoDB</i>Calculates greenhouse gas emissions of all Amazon products throughout entire product life cycleLeading team of 3 developers using <i>DevOps</i> and <i>Agile</i> | | |

| Web Developer | Queen's Data Analytics Association | September 2020 - Current |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|--------------------------|
| <ul style="list-style-type: none">Created user-friendly static website using <i>Github Pages</i> and <i>Bootstrap</i> for organizationCommunicated back and forth with client (club co-chairs) to deliver websiteWorked with designers to create user interface based on example digital drawings | | |

| ML Instructor | Queen's Data Analytics Association | September 2020 - Current |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|--------------------------|
| <ul style="list-style-type: none">Created 2 YouTube playlists about <i>ML Explainability</i> and <i>Feature Engineering</i> with PythonClass size consisting of 150 fellow studentsLeading team of 7 instructors to create 8 playlists about topics in <i>Data Science</i> and <i>ML Engineering</i> | | |

| Team Member | Queen's AI Hub | September 2020 - Current |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------|
| <ul style="list-style-type: none">Created script that scrapes and cleans Twitter and Stock data and applies sentiment analysis with <i>nltk</i>Tested <i>KNN</i> and <i>Random Forest</i> models to create stock price prediction model which is 86% accurateRecommended by current product manager to be team leader for next term | | |

PROJECTS

| All Chat | QHacks | January 2021 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------|
| <ul style="list-style-type: none">Messaging app that categorizes text into emotions for those with developmental disabilitiesUsed <i>Tensorflow</i> and <i>BERT</i> to categorize text (Happy, Sad, Angry, Scared, Surprised) with 79% accuracy | | |

| COVID Maps | HackHer | November 2020 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------------|
| <ul style="list-style-type: none">Determines best street routes in Toronto based on COVID-19 infection rates to avoid infectionUsed <i>dijkstra's algorithm</i> and data from over 60,000 previous COVID-19 cases to determine routes | | |

AWARDS

| |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none">4th place out of 32 teams: Camp QMIND Hackathon (October 2020)5th place out of 438 teams: ECOO Programming Competition (May 2020)3rd place out of 50 teams: Tech Under 20 Cup Product Development Competition (March 2020)Top 6 out of 635 teams: Tech Under 20 Case Competition Hackathon (January 2020) |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

TECHNOLOGIES

| |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none">Python, Java, Javascript, HTML, CSS, Linux, Git, AWS, React, Kivy, Bootstrap, Scikit-learn, TensorflowFull Stack Development, DevOps, Object Oriented Programming, Agile |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Nassim Boutalbi

nassim.boutalbi@gmail.com

438 389-2163

PROFILE

A B. Comm Business Technology student at Concordia University. Possess strong leadership, communication and research skills developed through University Experience and extracurriculars.

EDUCATION

Concordia University | Montréal , Canada

Jan 2020– May 2024

B. Comm, major: Business technology management, minor: political science

Predicted Grade: 3.4/4.3

Relevant Courses:

COMM 210: contemporary business thinking, COMM 205: Business Communication

Work Experience

Fed ex

Package Handler

Sep 2020– Nov 2020

- load and unload sorted packages in a fast-paced environment
- including lifting, pushing, pulling, carrying and placing, in a safe and efficient manner.
- Helped process 3 record amounts of packages at the facility.

Extra Curriculars

Model United Nations Concordia

Sep 2020 Present

Member

- Attending conferences around North America acting as a delegate for various nations.
- Conducted extensive research on a particular country to develop a position on topics such as Clean Water and Sanitation, corruption in the public sector and Industry, Innovation, and Infrastructure
- Delivered formal and impromptu speeches to 200+ person committees and collaborated with a working group to address the topics.

Assistant Crisis director

- Preparing conferences for 60-person committees including extensive research on topics and preparing background guides for participants.
- Coordinating with the chair of the committee to ensure a smooth running of the conference.

John Molson Supply Chain and Business Technology Association

Member

- Assisting to develop and host various workshops to support Concordia students.
- Help co-manage social media sites on platforms such as Facebook and Instagram.

ADDITIONAL SKILLS

Languages: English (Native) Arabic (Native), French (Beginner)

Microsoft Office: Proficient in Word and PowerPoint

Coding: Proficient in Python and C++

NGOC BAO HAN "MIMI" NGUYEN

(343) · 333 · 5459 ◊ baohanmimi@gmail.com

 <https://www.linkedin.com/in/han-mimi-nguyen/>

EDUCATION

Queen's University

B.Comp in Biomedical Computation

Kingston, ON

Expected May 2023

Honors: 2019-2020 Dean's Honours List

Relevant Coursework: Linear Data Analytics/ Business Management/ Java/ Python

PROFESSIONAL EXPERIENCE

The Perk Lab

Undergraduate Research Assistant

May 2020 - Present

Kingston, ON

- Create medical diagrams and illustrations for Dr. Richard Henry's research paper in the British Journal of Pharmacology on the use of MR blockers in the treatment of COVID-19. Dr. Richard Henry is an anesthesiologist, professor, and researcher at Queen's University Medical School.
- Implement 3D Slicer and Perk Tutor extension to record, segment, and export ultrasound data

Pursuit Lab

Co-founder/ Product Lead

Aug 2020 - Present

Kingston, ON

- Working with inQUBate - Canada's first student-run AI startup incubator under Queen's University.
 - Developing HR talent management program that identify growing skill gaps within companies and optimizes talent allocation.
 - Creating an AI product with real market validation, conducting market research, developing business plans, building partnerships and sponsorship.

QMIND

Design Team Researcher

Sep 2020 - Present

Kingston, ON

- Canada's largest undergraduate AI and machine learning organization.

- 3D Object Classification Project. Applying Computer Vision and Real Sense to augment 2D classification approaches with 3D point clouds for advanced object classification. Transfer learning for separate RGB-D processing streams.

LEADERSHIP EXPERIENCES & ACTIVITIES

Queen's COMPSA

Marketing Director

March 2020 - present

Kingston, ON

COMPSA is Queen's Computing Student Association

- Represent COMPSA at the School of Computing on media platforms
- Oversee a team of coordinators and volunteers to create all marketing and promotions materials for COMPSA events and services.
- Oversee the Committee of Website that builds and maintain the association's website

SKILLS & INTERESTS

Computer Languages

Python, R, Java, TensorFlow, Keras, OpenCV

Design & Illustration

Analog Photography, Adobe Lightroom, Digital Marketing, Procreate

Interests

Political Philosophy, Poetry, Jazz, Contemporary Literature

PATRICK LISTER

listner.patrick@queensu.ca | 613-700-0136 (c) | www.linkedin.com/in/patrickrlister

OBJECTIVE

Acquire a summer job/internship in a field related to mathematics, engineering, software development, cyber security, finance, artificial intelligence.

EDUCATION

Bachelor of Applied Science, Faculty of Applied Science and Engineering, Queen's University, Kingston, ON 2019 – Present

- Applied Mathematics, Computing and Communications Specialization
- Excellence entrance scholarship
- Current GPA: 3.72 / 4.3

Ontario Secondary School Diploma, Nepean High School, Ottawa, Ontario 2015 – 2019

- Silver medal & honour roll student
- Achieved DELF “Diplôme d'études en langue française” – Level B2

SKILLS & ABILITIES

- C, MATLAB, and Java scripting knowledge
- Microsoft Excel and Word Skills
- Bilingual
- Strong communication skills
- Responsible; good time management and organizational skills
- Leadership skills and ability to work independently
- Team player; works well with others
- Strong math and analytical skills

PROFESSIONAL EXPERIENCE

General Member, QMIND, Queen's University, Kingston, ON 2019 – 2020

- Developing a script to crack hashed passwords using a recurrent neural network
- Developing framework for an NLP recurrent neural network
- Implementation of brute force cracking scripts

Club President, DECA Nepean High School Chapter, Ottawa, Ontario 2018 – 2019

- Planning weekly club meetings
- Organizing chapter's trip to annual provincial competition in Toronto
- Working in tandem with the other members of the club executive

Camp Counsellor, University of Ottawa Gee Gee's, Ottawa, Ontario 2016 – 2017

- Setting up, explaining and running drills for groups of children
- Organized volunteers and other counsellors
- Managed relationships with parents

Rabab Azeem

azeem.rabab@gmail.com · (705)-229-4474 · rababazeem.me ·

github.com/beepbeep63 · linkedin.com/in/rabab-azeem/

EDUCATION

Bachelor of Applied Science - Electrical and Computer Specialization

Queen's University - Kingston, ON

2020 Schulich Leader

Expected Graduation Date: April 2024

SKILLS

Technical: Python, C++, Java, HTML&CSS, Tensorflow, Sci-kit, NLTK, Gensim, SpaCy, Heroku, Postgres, Flask, Github, VS Code, Jupyter Notebook

Personal: Critical thinking, Problem solving, Communication, Leadership

EXPERIENCE

Barrie Public Library

Dec. 2018 - March 2020

Tinker Tech - Barrie, ON

Planned and led coding and robotics programs for children.

Royal Victoria Hospital

Dec. 2018 - Jan. 2019

Research Assistant - Barrie, ON

Conducted, analyzed, and presented data collected from surveys about substitute decision makers.

Helped publish a paper that impacted thousands:

[Estimating the Impact of Words Used by Physicians](#)

PROJECTS

M(L)ove

[devpost.com/software/m-l-ove]

Hack the North project. Developed the back-end and implemented the machine learning algorithm to analyze and compare choreography videos.

Python, Flask, HTML&CSS, Computer vision

Fiction Filter

[devpost.com/software/trustworthy]

Trained and implemented an LSTM model to detect false information in news articles.

Python, Tensorflow, NLTK, Deep learning

Heart Disease Prediction

[kaggle.com/rababazeem/heart-disease-risk-prediction]

Compared the accuracy of Machine Learning models in predicting the risk of congestive heart failure based on patient data.

Python, Scikit, Matplotlib, Machine learning

AWARDS & RECOGNITION

2021 Ontario Volunteer Award Nominee

Barrie Public Library

2020 Schulich Leader Scholarship

Schulich Foundation

2020 HOSA Scholarship

HOSA

2019 Shad of the Year Nominee

Shad University of British Columbia

EXTRACURRICULAR

QMIND

Oct. 2020 - Present

Design Team Member

Implemented NLP topic classification models to identify trending investing topics and tweets for the RBC DirectInvesting website. Used Flask and Postgres to store and display results.

Heroku, Postgres, Flask, Gensim, Scikit, NLTK

QSET

Oct. 2020 - Present

Software Team Member

Currently programming nodes for the battery components of a Mars Rover.

Ubuntu, C++

Rachel Yang

(C) 671-727-2919 | ryaa2020@mymail.pomona.edu | Barrigada, GU 96921

EDUCATION

Pomona College, Claremont, California
Bachelor of Arts in Computer Science, June 2024

St. Johns School Guam
High School Diploma, June 2020

EXPERIENCE

ITS Service Desk Consultant, Pomona College, Claremont, California
August 2021 – present

- Assist students and faculty with technology problems.
- Reply to questions regarding Pomona websites, emails, accounts, zoom, and more.

Sales Associate, Tommy Hilfiger, Tamuning, Guam
March 2020 - January 2021

- Retained product, service, and company policy knowledge to serve as a resource for both coworkers and customers.
- Translated Korean and Japanese for customers from Asia. Developed my communication skills by coordinating with customers, co-workers, and administrators.

Summer School Volunteer, St. John's School Guam, Tumon, Guam
June 2018 - August 2018 & June 2019 - August 2019

- Build positive working relationships with students and school administrators by remaining polished and calm and offering assistance in various situations.
- Graded student assignments and provided feedback. Acted as the main translator for students coming from Korea and Japan.

Volunteer on Chuuk/Micronesian Islands, Guam, June 2018

- Taught elementary children Math and English. Assisted with dental care for children and adults. Created and organized fun activities to interact with the children.

ACTIVITIES

Secretary for the Class of 2020, St. Johns School Guam, 2017-2018 & 2019-2020

- Took notes, organized events, and served as liaison between admin and students.

Recycling Club, St. Johns School Guam, 2016-2020

- Weekly cleanups at our school, yearly island wide cleanups, road side cleanups, and beach cleanups. Helped keep our community and island clean.

Ryan Saweczko

2 Nicholas Drive | St. Catharines, ON | L2S 4C2
yarn.sawe@gmail.com | (289) 783-1887

Professional Summary

I am currently in my first year at Queen's University in the Computer Science Program. I am reliable and dedicated to complete whatever task I am given. I am proficient with Python, Java, Javascript, HTML, and CSS.

Education

| | |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| June 2019 | Sir Winston Churchill High School , St. Catharines, ON Graduated Grade 12 Awards Received: Ontario Scholar, Gold Academic Award, Co-op Award. |
| September 2020 | Queen's University , Kingston, ON 2nd year of 4 year Bachelor of Science Degree, Computer Science Program. |

Employment History

| | |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Summers 2016 - 2019 | Caregiver , St. Catharines, ON Primary caregiver to 2 school-age children for 8 hours/day, 3 days/week. My responsibilities included planning various indoor and outdoor activities to keep them entertained, preparing meals as needed and ensuring their safety. |
| November 2017- July 2019 | Dollarama , St. Catharines, ON Part-time Associate Responsibilities: stocking inventory, cashier, assisting customers as necessary. |
| May 2020 - September 2020 | Kings Distributed Systems , Kingston, ON Software Engineer Worked in core development, including development of the PETER test framework (npmjs.com/package/peter) and the development of their second-generation client side worker. |

Co-op Experience, Grade 12

Foundation for Student Science and Technology (FSST) Online Co-op Placement

Work Process: I worked with another student/partner under the guidance of a Mentor who was working on their thesis for a Masters Degree in Database Management. We studied how hash functions are used to maintain database integrity and password protection.

Objective: Our research focused mainly on SHA256 - understanding how it works, the pros and cons of the SHA family, and how those hash functions are implemented in ensuring data integrity.

Result: We used SHA256 in the design of a small database to see how it could be implemented in a real-world scenario

Sean Ashley

Machine Learning and Software Engineer



s2ashley@uwaterloo.ca



647-224-6075



linkedin.com/in/sean-ashley

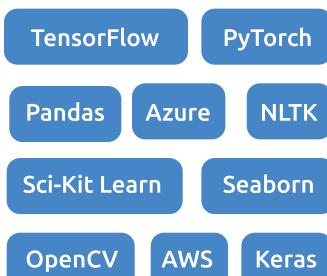


github.com/sean-ashley

Languages



Data Science and Machine Learning



Education

Systems Design Engineering

University of Waterloo Avg: 94%

September 2020 - April 2025

Relevant Courses:

- Matrices and Linear Systems
- Digital Computation (C++)

School of Machine Learning

Udacity

May 2020 - March 2021

Relevant Courses:

- Data Science Nanodegree
- Deep Learning Nanodegree

Achievements

1st place: HackAttack Hackathon

University of Waterloo

Microsoft Student Ambassador

Microsoft

Dean's List

University of Waterloo

WORK EXPERIENCE

Machine Learning Developer

Geminare | January 2021 - Present

- Created a tag based **recommendation engine** using **Sci-Kit Learn** and **Pandas**, creating a personalized user experience with an accuracy of **88%**.
- Simulated recommendation engine users with a **Monte Carlo simulation** built with **Numpy** and **Pandas**, creating large amounts of testing data for engine validation.
- Conducted an experiment on new features using **A/B testing**. Analysed results with a custom accuracy metric and **data visualizations** built with **Seaborn**.
- Improved the recommendation engine by adding an **image similarity feature**, using **TensorFlow** to build an **image auto-encoder**, improving recommendations by **20%**.

Plant Maintenance Master Data Analyst

HubHead Corporation | January 2020 - April 2020

- Automated a search-matching process involving 20+ multi-sheet Excel files using **Python** and the **Pandas** library, increasing the efficiency of the process by over **500%**.
- Lead a group of 10 interns in piloting a new data cleanup project, leading to potentially over **1M dollars** in future company revenue.
- Created an Excel Macro using **VBA** that matched and validated the data of multiple different Excel files, increasing the efficiency of an essential step in the data cleanup process by **4x**.
- Generated relevant statistics from data using **Python** and Excel to analyze project progress and help deliver detailed reports to clients, resulting in a **40%** increase in client satisfaction.

Coding Instructor

Alpha Coding | June 2020 - September 2020

- Created and taught engaging **Python** and **C++** computer science lessons to groups of 5+ children aged 9-12, resulting in a **high client satisfaction rating**.
- Reported to and communicated efficiently with supervisors to ensure the needs of all children were being met, leading to **10+ new clients** and **20+ retained clients**.
- Worked as a team with other coding instructors to produce high-quality lessons, leading to a partnership with the TDSB and a **significant increase in revenue**.

PROJECTS

Cancer Detection Network

| June 2020 - August 2020



- Created a Convolutional Neural Network using **PyTorch** that classifies three skin lesions (melanoma, seborrheic keratosis, and nevus) with a **76% accuracy**.
- Utilized a state of the art EfficientNet model architecture with adjusted dense layers for extremely high performance with limited data
- Generated evaluation metrics such as ROC curves and confusion matrices to assess performance using **Matplotlib**.

Shams Reza



Dynamic and highly resolute individual competent in agility, creativity and critical thinking along with the capability to devise ideas, create plans, organize and execute events with phenomenal leadership.

✉ shams35bd@gmail.com ☎ 647-551-8837 🗺 Toronto, ON

SUMMARY OF QUALIFICATIONS

- Self-motivated, team player, skilled at multi-tasking and independently managing and prioritizing multiple tasks with limited guidance and ambiguity
- Ability to quickly assimilate new technologies in a fast-paced environment
- Able to effectively manage time and understand problem sensitivity while responding quickly
- Known for outstanding interpersonal and customer support skills
- Proficient in MS Word, Excel & PowerPoint

KEY STRENGTHS & SKILLS

- | | | |
|----------------------------|------------------------------|-------------------------------|
| • Customer Service | • Problem –solving | • Organization/Prioritization |
| • Leadership/Communication | • Responsibility/Flexibility | • Active Listening |
| • Teamwork | • Project Management | • Critical Thinking |
| • Administrative/Marketing | • Creativity | • Time Management |

WORK EXPERIENCE

| | | |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Bakery Clerk | Bagel Plus, Toronto, ON | Feb 2020 – Present |
| | <ul style="list-style-type: none">• Responded and attended to customer requests at the bakery department.• Prepared baked goods and other items for sale, arranged and wrapped bakery products, and placed bakery items in display cases.• Trained in operating machines such as cashiers and bread slicer• Operated various equipment with competency• Established and maintained open, collaborative relationships with the kitchen team | |
| Camp Counsellor | Camp Robin Hood, Toronto, ON | May – July 2019 |
| | <ul style="list-style-type: none">• Supervised campers and provided a healthy, safe, and enjoyable camp environment and experience.• Worked with the other Lead mentors and staff members to plan and coordinate programs, camps, and activities.• Led and supported campers as they participated in age-appropriate activities.• Cleaned, maintained, and ensured proper use of camp facilities and equipment.• Participated in staff meetings | |
| Marketing and Ad Representative | William Lyon Mackenzie C.I., Toronto, ON | Sept 2019 – May 2020 |
| | <ul style="list-style-type: none">• Advertised services, products, and prices, and responded to students' inquiries.• Persuaded students to purchase company advertising products and services by communicating the benefits of various types of advertising.• Set-up meetings with potential clients to present advertising proposals and addressed their concerns.• Attended sales meetings, trade shows, and training workshops as required. | |

EDUCATION

| | |
|-----------------------------------------------------------------------------------|--------------------------|
| ECE Innovation Stream (on-line program) - Queen's University, Kingston, ON | Program start: Sept 2020 |
| High School Diploma - William Lyon Mackenzie C.I., Toronto, ON | June 2020 |

Shaun Narain KewalRamani

shaun.kewalramani@gmail.com | (301) 401-5390 | linkedin.com/in/shaunkewalramani | Frederick, MD

Work Experience



University Partner | California Crescent Fund

JAN 2021 - PRESENT • Los Angeles, California

Coalition of students focused on growing the startup ecosystem in Southern California. Student-run venture capital fund investing in SoCal student startups via capital injections in \$40k increments. Communicate with entrepreneurs and LPs; assess investability of startups. Specifically responsible for Claremont Consortium outreach and sourcing.

HPC Support | Pomona High-Performance Computing

SEP 2020 - PRESENT • Claremont, California

Main role: mobile app developer. Learning and coding in Dart/Flutter for both iOS and Android. Making infrastructural and user-interface updates to "HPC Pondr" (HPC trivia app). Beginning work on analyzing macroeconomic labor market trends via aggregated Twitter data alongside Pomona and Harvey Mudd faculty using Python and Excel.

Organizational Effectiveness Coordinator | GCG Edge

JUN 2020 - AUG 2020 • Arlington, Virginia

Registered copyright IP. Spearheaded both competitive analysis / market survey and scalable technology strategy sections of five-year business plan. Researched extensively and wrote cogent campaign proposal background information. Researched/selected/implemented new back-end systems/services and marketing opportunities; presented advice considering relative cost:benefit analyses.

Assistant Instructor | Jeong's Martial Arts Academy

SEP 2016 - MAY 2020 • Urbana, Maryland

Instructed and trained all ranks of Taekwondo students up to black belts in form memorization, physical and mental discipline, character values, sparring techniques, self-defense, and more. Students improved dramatically.

Legislative Intern | Office of Maryland General Assembly Senator Ronald Young (District 3)

JUN 2019 - AUG 2019 • Frederick, Maryland

Reported to Chief of Staff. Conducted research and public outreach, developed legislative materials and presentations, attended assigned events, compiled legislative / regional contact information, updated bill / bond history, drafted monthly newsletters, communicated with and assisted constituents, and fulfilled other tasks as given.

Thoughtful. Inquisitive. Driven.

Fast learner and communicative listener with broad interests and socially-oriented goals.

Education and Extracurriculars

Pomona College | Bachelor's Degree

AUG 2020 - MAY 2024 • Claremont, California

Special Major: Computer Science, Philosophy, and Economics (Tentative; collaborating with faculty to create curriculum.)

Project Member: P-ai (Pomona Artificial Intelligence)

Junior Analyst: Sagehen Capital Management

Project Manager: Claremont Journal of Law and Public Policy

Member of Hack4BlackLives, Judicial Council, Asian-American Mentor Program, & South-Asian Mentorship Program

Urbana High School | High School Diploma

AUG 2016 - MAY 2020 • Ijamsville, Maryland

GPA: 4.0/4.0; Weighted GPA: 4.9/5.0; Class Rank: 1/442

Team Captain of Economic Policy Challenge

President of Necktie Club → Minority Mentoring Organization

Co-President of Future Business Leaders of America (FBLA)

Captain of Communication of Science Olympiad

Notable Awards (2018-2021)

- Two-Time National AP Scholar
- Wayne C. Neely & Margaret S. Neely Scholar
- 1st Place in Maryland State Economic Policy Challenge
- 1st Place in Maryland State FBLA Leadership Conference
- 1st Place in Maryland State Science Olympiad Competition
- 3rd Degree Black Belt in Taekwondo
- U.S.M.A. at West Point Summer Leaders Experience Cadet
- 1st Place in county at Mock Trial and National History Day

Skills & Certifications

Public Speaking | Precise & Persuasive Writing
iOS & Android Mobile App Development (Dart/Flutter)

Competitive Analysis | Research | Business Planning

Public Outreach | Mentoring | Mandarin Chinese

Legislative Policy | Leadership | Project Management

Marketing & Design | Business Development

Creative Problem-Solving | Fast, Flexible Autodidactism

Microsoft Office | Google Suite | Python | HTML + JS + CSS

Microsoft Office Specialist: Excel Associate

Microsoft Office Specialist: Word Associate

Syed Moiz
6 Moonbeam Grove, Toronto, Ontario
M1B 2T5
(647)-917-3872
syedmoiz416@gmail.com

OBJECTIVE

To obtain a position where I can use my skills and experience to become an asset to your team.

SKILLS

- Great at greeting and talking to people
- Excellent multi-tasker
- Ability to work in a team environment with minimal supervision
- Superior mathematical skills
- Detail-oriented
- Multilingual (speaks English and Urdu fluently)
- Exceptional communication and listening skills
- Proven leadership and organizational skills

WORK EXPERIENCE

Grocery Clerk, Sobeys

May 2018-May2019

- Managed all the programs and operations within the grocery department.
- Assisted store and grocery managers with inventory checks/ordering produce.
- Ensured the success of the store and department through excellent customer service.
- Constructed special and seasonal displays according to schematics.
- Stocked the grocery shelves very efficiently

Sales associate, Tommy Hilfiger Canada

April-Oct 2017

- Provided customer service and received great feedback
- Organized the clothes and items in the store
- Often handled store with no supervision
- Took care of any customer needs in a professional manner
- Managed to keep the store clean and elegant

Sales Associate/ Cashier, Kitchen Stuff Plus

July 2019-current

- Demonstrated exceptional sales ability and strong interpersonal skills
- Spoke to customers with a persuasive, positive, and confident approach
- Often handled store with no supervision
- Maintained a clean, organized work area
- Accurately processed customer transactions and maintained cash drawer

EDUCATION

Queen's University

- B.Sc. Electrical and Computer Engineering 2020-2024

Saint Mother Teresa C.S.S

- Obtained OSSD 2016-2020

References: Available upon request

William Yang

OBJECTIVE

Self-motivated student with a strong STEM background and project-management experience. Looking for a collaborative internship to apply my programming skills to develop real-world solutions while utilizing my leadership experience to help foster a productive team dynamic.

EXPERIENCE

SUMMER RESEARCH INTERN, HARVARD UNIVERSITY, 2019 SUMMER

- Processed spectrum data from monochrometer images to determine rock composition
- Set up and fine-tuned data collection apparatus and procedure
- Developed image analysis program using python, numpy, and Matplotlib to extract spectral information used for predicting rock makeup

INTERN, NEXTINPUT INC, 2019

- Conducted market research on 3D force-sensing HMI applications in wireless earphones
- Spearheaded development of the company's social media presence and promotions

INDIE AMATEUR APP DEVELOPER, 2018-2019

- Self-taught iOS development using Swift 4 and Xcode 10, as well as graphic design
- Designed and coded to-do-list style time management app with time blocking features

LECTURER AND TUTOR, SPRINGLIGHT EDUCATIONAL INSTITUTE, 2020-PRESENT

- Taught 1 semester of Java class, currently teaching conceptual physics class
- Tutoring middle and hight school students in physics, mathematics, etc

VICE PRESIDENT OF FBLA PROJECTS 2017-2020

- Led team of 5 students and 3 committees to develop real-world projects benefiting our community
- Forged partnership with Facebook & implement beta test of new feature with 1,000+ students
- Hosted series of tech workshops teaching basic programming skills to students

CEO OF INNOVATION LAUNCHPAD INCORPORATED 2018-2020

- Founded the 501(c)(3) non-profit to provide hands-on technical education to high school students
- Launched a business plan bootcamp program with entrepreneurs and VCs as mentors
- Collaborated with Bananium Labs to host Launchhacks: a hackathon with over 80 participants

EDUCATION

Harvey mudd college, Claremont, California – 2020-2024

Monta Vista High School, Cupertino, California – 2016-2020

SKILLS

- Proficient in Python, Java, Swift, & Octave, as well as multivariable calculus
- Linear and logistic regression, neural networks, SVM's, optimization & analysis techniques

HONORS AND AWARDS

USA Physics Olympiad - Silver Medalist (top 90 in nation)

USA Computing Olympiad - Gold division

American Mathematics Competition - two time AIME Qualifier

USA Biology Olympiad - Semifinalist and honorable mention

WILLIAM YE

✉ william.ye@mail.mcgill.ca ☎ (514) 812-9138 Ⓛ WilliamYe6

EDUCATION

McGill University
Computer Science 2023

Sept. 2020 - Current

SKILLS

PROGRAMMING LANGUAGES: Python, Java
TECHNOLOGY: Git, IDE, Flask, SQLAlchemy, HTML, CSS, Bootstrap

PROJECTS

Flask Blog Website

- * Created website using Python and Flask allowing users to register, login and publish posts
- * Built a database using SQLAlchemy storing usernames, emails, and passwords
- * Created a responsive UI with HTML, CSS and Bootstrap
- * Configured SMTP Gmail server allowing the user to reset their password via Gmail

Semantic Descriptors

- * Created Python modules to parse text files and perform analysis on given words
- * Implemented word similarity function using Cosine similarity and Euclidian distance

Three Thirteen

- * Built a card game called "Three Thirteen" which allowed the user to play against multiple AI players
- * Implemented AI players with rule-based decision making capabilities

Search Engine Features

- * Designed methods for search engines to filter out non relevant results in Java
- * Implemented depth first traversal of the web for indexing and crawling
- * Built functions ranking results from most relevant to least relevant using merge sort

EMPLOYMENT

Dollarama, *Store Associate*, Montreal, Quebec

Apr. 2019 - Sept. 2019

McDonalds, *Crew Member*, Montreal, Quebec

Jan. 2020 - Nov. 2020

ACTIVITIES

Track and Field

Competed and won at the national level

Basketball

Active player for the West Island Lakers Basketball Association

VOLUNTEERING

Montreal Conscious School, *Camp Counselor*
Montreal, Quebec

Mar. 2015 - Mar. 2018

- * Taught camp members mathematics and writing skills
- * Supervised camp children during field trips, assessing safety risks especially in outdoor settings
- * Guided camp members in art projects, emphasizing on simple techniques

Zuhair Shaikh

E-Mail: zuhairjs@gmail.com | Phone: (647)-624-7020

EDUCATION

Queen's University

Bachelor of Applied Science, BASc - Computer Engineering – Innovation Stream

Kingston, Ontario

2020-2024 (expected)

– Fall GPA: 3.88

– Computer Engineering major in innovation stream (ECEi), which combines engineering, entrepreneurship and innovation

– Coursework: Engineering Practice and Profession (APSC100), Computer Programming for Engineering Applications (MNTC313)

– Queen's University Excellence Scholarship

– Activities: inQUBate, Queen's University Business and Engineering, Engineering Society of Queen's University, Queen's Engineering Competition

PROFESSIONAL EXPERIENCE

JTech Inc.

Junior IT Support

Brampton, Ontario

Summer 2018

– Created mechanical engineering/piping drawings using CAD software, including AutoCAD

– Worked on digital marketing tasks, including creating business cards, brochures, and publications

– Created a fully functional website for the company, showcasing all the company's engineering consulting services

EXTRACURRICULAR EXPERIENCE

inQUBate

Artificial Intelligence Design Team Member

Kingston, Ontario

August 2020 – Present

– Part of team working in Canada's largest AI start-up incubator, revolving around entrepreneurship and SaaS

– Working on technical side of “EnergAIze” project, an all-in-one tool to help businesses transition to greener energy using a predictive machine learning model and detailed analytics

– Utilizing platforms like TensorFlow and OpenCV

– Project to be showcased at upcoming Canadian Undergraduate Conference on Artificial Intelligence (CUCAI)

Engineering Society of Queen's University (EngSoc)

Software Development Team Member

Kingston, Ontario

October 2020 – Present

– Member on the software development which builds and maintains software for the Engineering Society

– Working on “resistor-reader” application, which recognizes resistors in a circuit and calculates their values

– Assigned front-end development task, utilizing platforms like Android Studio and Flutter, as well as the Dart programming language

Queen's University Business and Engineering (QUBE)

First-Year Representative

Kingston, Ontario

November 2020 – Present

– One of five other first-year members on QUBE, which allows engineering students to be exposed to various concepts in the world of business

– Working under senior members in both the consulting and capital divisions

ADDITIONAL INFORMATION

- **Languages:** English (native), Urdu (native)
- **Programming Languages:** Java, C++, MATLAB
- **Interests:** Soccer, travel, hiking, outdoor activities, software development

EDUCATION

Western University, London, ON, Canada

Present-2023

2nd Year BSc Computer Science with Advanced Entry Opportunity to Ivey Business School

- Western Scholarship of Excellence (September 2019)
- Dean's Honour List (May 2020)
- **GPA : 84%**
- **Coursework :** Data Structures & Algorithms, Systems Programming, Computer Architecture, Intro to Software Engineering.
- **Programming/Technical Skills :** Python, Java, C, ARM, Excel UNIX with experience in ML libraries.

WORK EXPERIENCE

Last Mile Logistics, Accounting Intern

Summer 2020

- Offered technical skills to a small business during the COVID-19 Pandemic, by filtering job applications, offering Excel automation and calling clients.
- Automated pricing of invoices by utilising Excel functions to calculate cost per skid used by clients.
- Using Quickbooks, assisted in the preparation of invoices to trucking companies for transporting goods and supplies from the company's storage location.
- Streamlined the company's invoice preparation by separating invoices by company name and contacted companies that sent overstated invoices, saving **\$3000**.

PROJECTS & INTERESTS

COVID-19 x-ray classification, Machine Learning Developer

2020-2021

- Developed a COVID-19 detector using **5000** chest x-ray **images** using CNNs by training the model on Google Colab with Python and Keras.
- Collaborated with a team with weekly meetings and presented the project at Western AI's project showcase.

Stock Market Predictor, Machine Learning Developer

2019-2020

- Predicted the future adjusted stock price of the AMD stock based on **5 years** of previous prices.
- Trained model using Python, Keras and a Long Short Term Memory Neural Network on Google Colab to apply AI to a real world application.

Western AI, Events Director

2020-Present

- Worked on organizing, advertising and preparing the club's 2020 annual general meeting, summer and winter projects showcase along with tech consulting panels.

Maths Clinic, Teaching Assistant

2018-2019

- Helped run the 'Maths Clinic', where I assisted juniors in my school in Mathematics.
- Led and organized weekly meetings for the club.

Environmental Club, Environmental Leader

2016-2017

- Obtained qualification by attending an environmental workshop and promoted Singapore's ABC programme (Active Beautiful Clean).
- Participated and led the World Water Day programme for Standard Chartered at Marina Barrage.
- Organized environmental projects in school like "Save that Pen" and a Bottle Gardening event.

ADDISON WEATHERHEAD

207-518-3668 addison.weatherhead@mail.utoronto.ca [LinkedIn](#) [Personal Website](#) [Courses Taken](#)

EDUCATION

UNIVERSITY OF TORONTO, SPECIALIST IN COMPUTER SCIENCE – FALL 2019-PRESENT

- Pursuing a Computer Science Specialist with a focus in AI (Expected Graduation: Spring 2023. **GPA: 3.78**)

SKILLS

- Languages: **Python, Java, SQL**
- ML Tools: **Keras, Pandas, NumPy, Git**

PERSONAL PROJECTS

BUILDING A NEURAL NETWORK WITH NUMPY – SUMMER 2020 ([GITHUB](#))

- Used [the NNFS book](#) to make deep neural networks in Python with only NumPy. I implemented and understand feed forward, backpropagation, and optimization.
- Trained my network on a cardiac catheterization diagnostic [dataset](#) and tuned hyper parameters to get an accuracy of ~75% for a binary classification task.
- Recognized at the end of the book for providing edits/suggestions during the development process of the book.

WORK EXPERIENCE

TYLER TECHNOLOGIES, SUPPORT INTERN – SUMMER 2020

- Provided technical support for a customer facing product, often times utilizing SQL to rectify information in their database.
- Used simple keyword analysis to gain insights into common issues customers faced and in what versions, and used this to provide recommendations to management.

ANANIA AND ASSOCIATES, INTERN – SUMMER 2018

- Added e-commerce functionality to their website using **WordPress**.
- Created an iOS App using **Xcode 9** and **Swift 4** to calculate product weights and optimize the sales process (replaced a dated paper system they were using).

LEADERSHIP

DIRECTOR OF LOGISTICS, PROJECTX, UOFT AI – MARCH 2020-PRESENT

- Worked on a team to design and organize a 3 month long machine learning research competition, with \$70,000 raised in prize funding, for ~20 teams of undergraduates across the world to participate in.
- Signed on teams, found volunteers to mentor the teams, and managed communications with them. More info is available on our [website](#).
- Managed a small team for the final stretch of the competition to ensure papers were submitted correctly, assessed by the judges, and checked for plagiarism.

VOLUNTEER EXPERIENCE

STUDENT AMBASSADOR, DEPARTMENT OF COMPUTER SCIENCE – DEC 2020-PRESENT

- Advised a hiring committee for teaching stream faculty candidates.
- Provided feedback on policy/program changes to inform the restructuring of the PEY Internship program.
- Provided mentorship and advice to a prospective UofT CS student.

Aditya Bhargava

Claremont, CA | P: 585-978-5247 | abhargava@g.hmc.edu | linkedin.com/in/bhargavaadi/

EDUCATION

Harvey Mudd College Class of 2023- Claremont, CA

GPA: 3.80 GPA

Computer Science/Mathematics major w/ Economics concentration

Relevant Coursework:

- Computer Science: Introduction to Computer Science, Data Structures and Algorithms, Computability and Logic
- Mathematics: Proof-Based Multivariable Calculus, Differential Equations, Linear Algebra, Discrete Mathematics, Real Analysis
- Economics: Principles of Microeconomics/Macroeconomics, Intermediate Microeconomics/Macroeconomics

Activities and Societies:

- Harvey Mudd Homework Hotline; Desi Crew; Grading/Tutoring for Introduction to Computer Science (CS 5) course; Grading for Calculus (MATH 19) and Linear Algebra (MATH 73) courses

EXPERIENCES

NSF REU “Cultivating New Generation Software” Intern– Rochester, NY

Research Intern at Rochester Institute of Technology (RIT)

June 2020-August 2020

- Constructed a machine learning tool called Software Word Usage Model (SWUM), which extracts linguistic and structural relationships in source code using Python’s Natural Language ToolKit (NLTK) and advanced identifier splitting techniques
- SWUM is compatible with numerous Java features, including standard classes, methods, generics, abstract classes, and 1,000+ line code bases.
- The applications of SWUM include code refactoring, method summarization, code search, and Part of Speech (POS) Tagging
- Currently writing a technical tool paper to be submitted to the 2022 Software Analysis, Evolution, and Reengineering (SANER) conference

Harvey Mudd College Biophotonics Lab – Claremont, CA

Research Assistant

January 2020-May 2020

- Analyzed light scatter in organic material using the principles of light, imaging systems, and Fourier Optics
- Developed writing and communication skills by reading and presenting various papers at weekly lab meetings
- Designed a research guide so incoming students to the HMC Biophotonics lab can understand Fourier Series

University of Rochester Laboratory for Laser Energetics (LLE)- Rochester, NY

Research Assistant

June 2018- August 2018

- Devised a model to quantify the error of laser energy readings associated with the OMEGA EP laser (2nd largest laser in the world) using MATLAB for computation
- Evaluated the scatter of light and ratio of escaping light within a measurement tool (integrating sphere)
- The MATLAB model determined a 2% error on energy readings and therefore will be used to optimize the efficiency/shape of integrating spheres

PROJECTS/SKILLS

Technical: Java, Python, MATLAB, Racket (Functional Programming language), SAX Parsing, XML

Racket Scrabble Game, Prison Gerrymandering MATLAB model

Fall 2020

Picture Compression Algorithm, Population Genetics Simulator

Spring 2020

Connect 4 AI Game, Game of Life simulation, Java Number System/Word Game

Fall 2019

Agnès Totschnig

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3425 University Street, Montreal, Quebec H3A 2A8 Canada

Education

McGill University

Bachelor of Science, Joint Honours Mathematics and Computer Science
Rossy Leader Entrance Scholarship, Dean's Honour List

Montreal, Canada

2019 – 2023

French High School of Berlin

French Baccalauréat, with the highest distinction in the scientific stream
German Abitur

Berlin, Germany

2012 – 2018

Awards

- **National Champion of the 37. BwInf, the German computer science competition,** October 2019 at SAP in Walldorf, Germany
- **National Finalist of the French coding competition Prologin,** June 2019 in Paris, France
- **1st Prize at the National Final of the French Olympiads in Physics,** research project presented in February and May 2018 in Toulouse, France
- **Student Prize of the German Physicists Association of Berlin,** in November 2017
- **1st Prize at the French Rallye Mathématique d'Alsace,** in March 2017 and 2018

Professional Experience

Internships

German Research Center for Artificial Intelligence

Research assistant with the Interactive Textiles team

Berlin, Germany

November 2020 - present

Research Internship with the Chair in Probability

Work with the research group, attending graduate classes and seminars

Potsdam, Germany

April and May 2019

International Summer School for Young Physicists

Lectures on theoretical physics at Perimeter Institute

Waterloo, Canada

July 2018

SummerIA - International Summer School on Artificial Intelligence

Lectures on artificial intelligence and its applications

Lyon, France

August 2017

Teaching

Tomlinson Engagement Award for Mentoring

Course assistant for COMP202, mentor for COMP302, grader for MATH235 and over 200 hours as an academic tutor for McGill's Tutorial Services

Montreal, Canada

2020 - present

Talks and Presentations

Wolfram Technology Conference - Computation Meets Data Science

Talk on the simulation of Turing patterns with Mathematica

Paris, France

May 2019

MATH.en.JEANS Conferences

Presentation on an open mathematical problem

Vienna, Milano, Düsseldorf and Potsdam

2015 – 2018

Skills

Programming: Python, Java, C, OCaml, Mathematica, HTML, CSS, JavaScript and L^AT_EX

Languages: German (native), French (native) and English (professional proficiency)

Extracurriculars: first year representative of mathematics students, lead of the Experience team for McGill's annual hackathon, AI bootcamp participant

Alan W Guo

📍 Claremont, California, United States ✉ awga2019@mymail.pomona.edu ☎ (513) 913-1936 ⓒ in/awga2019 ⓒ awguo2019.github.io

EDUCATION

Bachelor of Arts, Computer Science and Mathematics
Pomona College • Claremont, California • 2023 • 4.0

EXPERIENCE

RAISE Researcher -- Natural Language Processing Toxicity Analysis

Pomona College

June 2020 - August 2020, Online

- Built a NLP classifier from a training dataset of Wikipedia comments provided by Google+Jigsaw--model was able to reach >90% accuracy rate from the training set
- Deployed the model as a web application built using Starlette/Docker and hosted it using Render, and utilized Twitter API to draw the 100 newest tweets related to a specific tag in order to analyze for toxicity

Voter Registration Analysis with Natural Language Processing

APAPA

June 2020 - August 2020, Cincinnati, Ohio

- Leveraged Fast.AI library and added onto a training set by scraping 1,000+ names from Wikipedia with Python
- Built a Natural Language Classifier that can identify Asians/Non-Asians from name data with a >95% accuracy rate
- Applied my model to analyze Warren/Butler/Hamilton county voter registration data, finding Warren/Butler/Hamilton counties with 2.32%, 1.62%, 1.32% Asian registered voters respectively among 300,000+ voters registered across the 3 counties

Co-Leader

Mason Hack Club

January 2017 - July 2019, Mason, Ohio

- HackCincinnati Logistics Advisor: Worked closely with the organizing team to market our Hackathon across the Midwest area, developing social media advertisements and emails to garner ~200 attendees across 4 states.
- CincyHacks Director of Sponsorship, Founding Member: Led the sponsorship and marketing effort for Cincinnati's first high-school hackathon. Developed mailing and advertising campaigns to ~100 attendees from 24 schools, followed by another ~100 student turnout for CincyHacks 2018. Secured >\$5000 from local companies to fund our hackathon.
- Hack Camp Organizational Leader, Founding Member: Developed an annual 1-week summer program to teach children basic web design principles, attracting a combined ~300 students over three years, while raising a combined ~\$25,000.

Technical Intern

Warren County Auditor's Office

May 2019 - July 2019, Lebanon, Ohio

- Saved 100+ hours of work time by developing Python scripts using linguistics libraries to check Real Estate databases (~10,000+ addresses) for misspellings and duplicate entries, debugged GIS software written in Visual Studio

INVOLVEMENT

AAMP Mentor

Pomona College • Asian American Mentorship Program • July 2020 - Present

- Mentored a cohort of 10 APIDA-identifying freshmen in regards to transitioning to college and navigating APIDA identity
- Organized and advertised monthly Zoom social events for the entire AAMP community with an average ~30 person turnout

Chemistry 51 Mentor

Pomona College • Chemistry Department • August 2020 - Present

- Assisted students with chemistry concepts covered in class, from Schrodinger wave-particle duality to thermodynamics

COURSEWORK

MATH 187, 103, 60

187-Deterministic Operations Research, 103-Combinatorics, 60-Linear Algebra

CSCI: 054, 062, 101

054-Functional Programming, 062-Data Structures, 101-Languages and Automata

SKILLS

C++, Java, Python, Git; FastAI NLP and Computer Vision; HTML, CSS, JavaScript, Meteor; Haskell, OCaml

Cloud Development, Big Data; Linear Programming, Linear Algebra, Combinatorics, Calculus, Statistics; Microsoft Office

Alex Webster

alexwebster18@gmail.com | (613)-410-3081 | [linkedin.com/in/awebsters](https://www.linkedin.com/in/awebsters) | github.com/awebsters

EDUCATION

Queen's University – Computer Science and Mathematics (4.0 GPA) Graduation: 2022

Highlighted Coursework: Software Development, Algorithms, Data Structures, Quality Assurance (QA), Artificial Intelligence (AI), Data Analytics, Operating Systems, OOP, Design Thinking

EXPERIENCE

ROYAL BANK OF CANADA (RBC), RISK MANAGEMENT DEVELOPER – MAY - AUG 2020

- Worked closely with Business Analysts and QA teams to develop a balance in **stakeholder requirements** for a cross company internal notification system.
- Increased security through forum validation to stop corruption in SQL that delayed employee onboarding.
- Implemented caching methods using **Java** to speed **SQL ORM** code to meet end-user requirements.

RIANTA SOLUTIONS, SOFTWARE DEVELOPER INTERN – MAY - AUG 2019

- Developed an IP packaging tool using **Python** which consolidated complex directory structures from XML rules.
- Optimized original **architecture** to improve tool algorithm efficiency from $O(n^3)$ to $O(n^2)$ achieving a speed increase of ~99% (meeting stakeholder requirements) and allowing extendability of XML to additional features.
- Built unit and regression tests using Python's unittest library and data mocking to achieve 90% code coverage.
- Created a **CI/DI** pipeline to run the test suite and automatically deploy it throughout the company.

RIANTA SOLUTIONS, SOFTWARE INTERN – AUG 2017 - AUG 2018

- Developed a CLI script using **Python** to generate project documentation and testing code for ASIC chip design.
- Processed **3-D HashMap** data to convert representation to specialized YAML required for internal tools input.
- Learned **GIT**, **Python**, **Linux**, and basic **Data Structures** while attending final High-School year.

PROJECTS

PROJECT MANAGER, PHISHING WEBSITE PREDICTION, QUEEN'S AI HUB – 2020-PRESENT

- Leading a team of 3 students of varying background to develop an ML model for Phishing website prediction
- Currently using iterative development to improve our model accuracy of 88%

EVENTBUD, MOBILE APPLICATION FOR EVENT FINDING , QUEEN'S HACKATHON WINNER – 2020

- Created a platform for event finding near you, in 38 hours, using **Android** to implement user creation, event finding and profile matching features. The app allows those interested in the same events to message beforehand.
- Utilized the Model-View-Controller (**MVC**) architecture to improve extensibility and ensure smooth performance.
- Implemented Shared Preference data management and **asynchronous API calls** for event feed scrolling.

HOSPITAL APPOINTMENT ATTENDANCE PREDICTION, QUEEN'S AI HUB – 2019-2020

- Trained a Neural Network (NN) to predict, 48 hours in advance if a patient would show-up with **85% accuracy**.
- Processed time-series data, using **Pandas** and **NumPy** in **Jupyter Notebooks**, to create 5 highly correlated features based on patients history and appointment information; for use in a machine learning model.
- Performed **hyperparameter tuning** to design a NN architecture to fit the domain and solve overfitting issues.

SKILLS

Languages (in order of experience): Python, Java, Javascript ES6+, HTML, CSS, MATLAB, C, C++, Prolog

Libraries / Technologies: React Native, SQL, Pandas, NumPy, AWS, Flask, Matplotlib, RESTful API, SkLearn

Software and Practices: GIT, Linux, Jira, Confluence, Debuggers, Design Thinking, Architecture Design

ALICIA LU

Claremont, CA | allu@g.hmc.edu | 541.625.3896

EDUCATION

Harvey Mudd College, Claremont, CA

May 2023

B.S., Computer Science & Physics

ROBOTICS TRAINING

Harvey Mudd College, Claremont, CA

Engineering Department, Undergraduate Researcher

April 2020-present

- Customized path-planning algorithms for a multi-AUV robot system capable of simultaneously tracking tagged sharks for long periods and collecting data from the marine habitats
- Designed cost functions that expanded the functionality of the traditional path-finding algorithm of A*

Harvey Mudd College, Claremont, CA

Harvey Mudd RoboSub, Computer Vision Team Member

September 2019-present

- Develop software with Darknet in collaboration with four team members to navigate robot underwater in completing various tasks

St. Mary's School, Medford, OR

FTC Robotics Club, Project Leader

May 2017-May 2019

- Programed robot in Java to enable human controlling
- Managed engineering documentation and assisted other 8 team members building mechanical parts

NEUROSCIENCE TRAINING

Institute of Natural Sciences, Shanghai Jiao Tong University

Computational Neuroscience Winter School, Participant

January 2021

- Selected as the only undergraduate participant with 49 graduate students
- Lecturers include not limited to Dr. John Rinzel (NYU), Dr. Xiaojing Wang (NYU), and Dr. John Murray (Yale), and Dr. Xiaoqin Wang (JHU)

OTHER EXPERIENCE

Harvey Mudd College, Claremont, CA

Physics Department, Research Assistant

January 2020-March 2020

Computer Science Department, Teaching Assistant

August 2020-December 2020

HONORS

Harvey Mudd College Dean's list (May 2020), S.- T. Yau High School Sciences Competition in Computer Science semi-finalist (October 2018), HiMCM Outstanding Award (March 2018), FIRST Tech Challenge World championship qualifier (May 2018)

DEEP LEARNING CERTIFICATIONS (Coursera)

deeplearning.ai : Deep Learning Specialization: Sequence Models (January 2021), Convolutional Neural Networks (December 2020), Structuring Machine Learning Projects (December, 2020), Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization (December 2020), Deep learning and Neural Networks (December 2020)

Imperial College of London : Mathematics for Machine Learning: Linear Algebra (June 2019), Mathematics for Machine Learning: Multivariate Calculus (July 2019)

Ali Sharif
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Ottawa, Ontario, K1V 9G6
6479395349 , alisharif@cmail.carleton.ca

EDUCATION

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| Computer Science, Honours, Co-op Option Carleton University, Ottawa, ON | September 2019-Present |
| <ul style="list-style-type: none">• 2nd year Standing, 8.2 overall CGPA (B)• Expected graduation date: May 2024 | |

AVAILABILITY

Available for 4-8 months beginning May 2021.

RELEVANT SKILLS, EXPERIENCES AND ACCOMPLISHMENTS

Technical Skills

- Implemented an abundance of algorithms (in COMP 1405, COMP 1406, COMP 2402) that make use of various data structures such as lists, arrays, sets, maps, and tries in various different languages (Java, Python, and JavaScript) which has derived solutions to problems in the most efficient manner possible with regard to time and space
- Configured algorithms in C and C++ (COMP 2401 and COMP 2402) in the Linux OS which makes use of: the manipulation of bits and bytes, pointer types, dynamic allocation of arrays, linked lists, multiple thread process management, and reading input from different data sources giving me base software engineering practice
- Building websites and learning the tools behind web development in COMP 2406 that make use of tools such as HTML, CSS, JavaScript, JSON, APIs, HTTP and many more web appliances
- Practiced object-oriented programming to a great extent in Java and Python to manipulate the behavior and properties of data to solve various different problems, which has resulted in having a great deal of understanding of the logic behind modern programs and applications
- Made use of complexity analysis in COMP 1805 and COMP 2804 which has enhanced my understanding on what to prioritize when developing algorithms, how to think and work like a computer scientist, and why programmers make the decisions they do

Communication Skills

- Completed a 4 month public-speaking course which had me practice time and time again my presentation skills to various different audiences which has resulted in having proficient skills in improvisation, enunciation, and organization in the way ideas are presented for others to assess
- Experience in customer service in a small luggage shop located in the heart of downtown Toronto, this gave access to further build my communication skills with not only co-workers and supervisors, but all kinds of tourists from the ages of 1-70, and a vast variety of ethnicity to go along with it as well
 - Fluent in English: oral, written, reading
 - Fluent in Urdu: oral, reading - fluent in Punjabi: oral, - fluent in Hindi: oral

WORK EXPERIENCE

Title of Position **September 2016-May 2019**

ZamZam Bags and Boutique, Toronto, Ontario

- Completed transactions and business deals using cash, credit, and debit card which created a great profit for the business
- Created many online ad postings and marketing services for the business on websites such as Kijiji, Facebook, and Craigslist that assisted our business in getting the brand and business's name to many more doors

APPLIED PROJECTS

Sole Developer of Multi-Movies **December 2020-Present**

Web Development Project

- Creating Dynamic HTML webpages that interact with each other and make use of JavaScript to manipulate data and behavior of these webpages, which will form a user-friendly interface which will be the foundation of the website
- Implementing the ability to add/modify/delete/review movies in the database using Node.js and JavaScript which will result in a very dynamic and fine-tuned website similar to IMDB
- Developing an algorithm to recommend various movies to users who have left positive reviews to similar movies, giving users an incentive to modify the database more and more which will result in assistance to the other users on the website

Alroy Zhang

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alroyzhang261@gmail.com

Skills

- **Technologies:** Python, Google Colab, TensorFlow, Keras, Scikit-learn, OpenCV, Pandas, NumPy, Matplotlib, Seaborn, Git, Linux, C++, Markdown, TeX, HTML, CSS, MySQL, Tableau
- Solid background in **Applied Mathematics, Statistics, and Deep Learning.**
- Capable of quick adaptation and acquiring new skills through **self-study.**
- Strong **communication, presentation, team work and problem-solving** skills.

Projects

Detecting COVID-19 with Chest X-Ray

(Python, TensorFlow/Keras, Scikit-learn, OpenCV)

- › All image data, provided by Kaggle online, were pre-processed using **OpenCV** and **Scikit-learn** libraries.
- › Built deep **Convolutional Neural Networks (CNN)** to distinguish between three classes of patients: normal, covid-positive and pneumonia.
- › Obtained an **overall accuracy of 95% - 98%**.

Rock-Paper-Scissors Classifier

(Python, TensorFlow/Keras, Matplotlib)

- › Used deep **Convolutional Neural Networks (CNN)** to build a **multi-class classifier** to distinguish between rocks, paper and scissors.
- › Strategies used in optimization: **dropout regularization and data augmentation**
- › Obtained an **overall accuracy of 92% - 95%**.

IMDB Movie Reviews Sentiment Analysis

(Python, TensorFlow/Keras, Matplotlib)

- › Used **Recurrent Neural Networks (RNN), bidirectional Gated Recurrent Units (GRU)** and **LSTM** to perform **sentiment analysis** on texts in TensorFlow's built-in datasets.

Experience

University of Waterloo Undergraduate Research Assistant (URA)

Sept. 2020 – Dec. 2020

Department of Applied Mathematics

Remote

- › **Developed codes in C++** on a linux machine to conduct **numerical simulations** of internal waves (IW) generation.
- › Learned about dispersive wave equations and some numerical methods for solving simple wave equations.

EasyPath Edu.

Apr. 2019 – Present

High School Mathematics Instructor and Workshop Host

Online

- › Instructed **over 35 students** results in **8-10% grades' improvement** of each person with approx. **500 hours of experience.**
- › Ignited students' passion in learning math; featured on company's official website multiple times for **excellent teaching style** and received at least **95% student satisfaction.**
- › Hosted **5 events and workshops** to offer guidance and advice for high school students in selecting university based on each person's academic interest and programs they wanted to study.

Bayview Secondary School Physics Club

Sept. 2018 – June. 2019

Vice President

Richmond Hill, ON

- › Coordinated **the first** Canadian Young Physicists' Tournament in school offering students opportunity to challenge themselves academically; **increased participation from 10 to 60.**

Education

University of Waterloo

September 2019 – Present

Major in Applied Mathematics with Scientific Computing

Waterloo, ON

- › Candidate for Bachelor of Mathematics. (Current major average: 91%)

Aman Virani

[✉](mailto:as4viran@uwaterloo.ca)as4viran@uwaterloo.ca [in](https://www.linkedin.com/in/aman-virani/)<https://www.linkedin.com/in/aman-virani/>

Education

University of Waterloo

Bachelor of Science: Honours Co-operative Science and Business, Biotechnology Specialization, Economics Minor 2023

Sept. 2018 to 2023

Skills

DATA ANALYSIS: Advanced Excel and strong proficiency in Microsoft Office, Power BI, Tableau, QuickBooks, SQL, Power Query, Salesforce

TECHNICAL: Project management, understanding and creating financial statements, sharepoint

WORKPLACE: Self-motivated, capable of working in a fast-paced environment, teamwork, effective written and oral communication, priority management, strong willingness to learn, detail oriented, creative problem-solving

Employment

Project Coordinator

JANA Corporation

Aurora

Sept. 2020 to Dec. 2020

- Automated CAPEX process using advanced Excel to improve efficiency by 90%, and reduction in error by 95%
- Coordinated project schedules, risks and risk solutions, deadlines, frameworks, documentation, work hours, budgets, and expenditures
- Analyzed pain points, areas of focus and interest of clients from meetings for helping the executives in strategic decision making

Aftersales Operations

Nissan Canada Inc

Mississauga

Jan. 2020 to Apr. 2020, Jan. 2020 to Apr. 2020

- Improved efficiency of the visualization tool for aftersales data by reducing Excel's crash rate by 80%, resulting in errors reduction by 98%
- Utilized Access queries to summarize 6,000,000 rows of data to 200,000 rows in Excel (a 96% consolidation)
- Developed vendor matrix report with Nissan, Canadian Tire, and NAPA to measure Nissan's competitiveness in the aftersales market

Projects

Global Coffee Business Starbucks Business Model

Oct. 2018

- Devised future sales strategies for 2019 by using market analysis of competitive landscape data from 2015 to 2018
- Developed strategies to improve brand loyalty by 25% in 1 year

Business Report for Mother Earth Groceries Associated (Fictional)

Oct. 2018

- Learned about workforce management by developing a cross-functional team resulting in a reduction of operating costs by 20% and created contingency plans for unforeseen circumstances
- Defined the company's operations and managed 30% of the portfolio allocated for labor by working alongside the finance team

Certifications

Project Management Simplified and SharePoint Essentials: LinkedIn Learning

Sept. 2020

- Acquired skills regarding project management tools to initiate, plan, execute, monitor, control, and close projects
- Applied the skills learned on project coordination and collaboration in the workplace

McGill Personal Finance Essentials: Desautels Faculty of Management

Aug. 2020

- Gained an understanding of debt management, strategic budget and stock market investing and behavioral finance

Volunteering

Mentor: Science and Business Ambassador Team

Sept. 2020 to Current

- Participate in events organized by the Ambassador team
- Provide guidance and support to 3 Science and Business students regarding academic, co-op applications, networking, and success strategies in university
- Critique and tailored resumes in accordance with "What the employers are looking for?"

External Relations Executive: Fusion Conference

Dec. 2018 to Nov. 2019

- Acquired funding (~\$10,000) and speakers (5) from various companies using LinkedIn connections and social media
- Planned and executed a 1-day conference with the team and assisted in logistics along with contingency planning
- Worked alongside professors and university management teams for conference-related approvals

Andy Liu

Email: ajliu@hmc.edu // Phone: (847) 637-3835 // Github: <https://github.com/al1729>

EDUCATION

HARVEY MUDD COLLEGE, Claremont, CA *August 2019 - May 2023*

- Bachelor of Science in Computer Science and Mathematics
- Cumulative GPA: 3.831 (4.000 Major GPA)
- Relevant Coursework: Data Structures and Program Development, CS Principles and Practice, Mathematics of Big Data, Discrete Mathematics, Computability and Logic

ILLINOIS MATH AND SCIENCE ACADEMY, Aurora, IL *August 2017 - June 2019*

- Cumulative GPA: 3.92
- Relevant Coursework: AP Computer Science A, Advanced Programming, Cybersecurity, Android App Design, Linear Algebra, Statistics

TECHNICAL SKILLS

- Advanced: Python, Java
- Intermediate: C++, TensorFlow, JavaScript, Flask, HTML/CSS
- Novice: MATLAB, PHP, R, Julia

WORK EXPERIENCE

DASION, Upland, CA

Machine Learning Intern *June 2020 - August 2020*

- Developed and tested five machine learning strategies for algorithmic trading
- Used Python, R, and MATLAB to implement stock price prediction models involving LSTM, Neural Networks, and Fuzzy Logic; achieved 95%+ accuracy in certain cases

ILLINOIS INSTITUTE OF TECHNOLOGY, Chicago, IL

Research Intern *January 2018 - April 2019*

- Developed Python scripts to test LSTM models for address parsing
- Created and cleaned test datasets of over 20 million entries with Python data mining
- Presented at SIAM CSE19 Conference in Spokane, Washington
- Co-authored a paper [in progress] on the usage of neural networks for address parsing

HELLOWEIGHBOR, Chicago, IL

Software Developer *June 2017 - July 2017*

- Led a team of students in designing and implementing back-end web interfaces for a full-service healthcare technology platform using PHP and SQL
- Designed and wireframed user interface and user experience for the company website

PROJECTS

HMC Nonlinear & Complex Systems Research Group

- Researching modeling approaches to studying opinion dynamics on social media
- Working with tools such as MATLAB and Python to analyze network dynamics

Spotivolve

- Built a web app showing Spotify users how their music taste evolved with time
- Worked with Flask, Python, HTML, JavaScript, and Heroku to build the web app
- Peaked at 3,800 weekly users

ACTIVITIES & LEADERSHIP

Pomona Artificial Intelligence - Technical Project Manager

- Leading "P-Web" project team during the spring semester investigating the usage of natural language processing to create predictive language models for HTML

AWARDS & HONORS

NATIONAL FINALIST, HiMCM Mathematical Contest in Modeling (Team of 4)

- Developed in Python a genetic algorithm designing ski courses from topographical data

SEVENTH PLACE, Harvard-MIT Mathematics Tournament (Team of 6)

ANTHONY DUMAIS

811-1155 Mackay Street, Montreal, QC, H3G 0G2
438.884.0648 | anthony.dumais@mail.mcgill.ca

EDUCATION

McGill University, Montreal, QC
Bachelor of Arts, 2023 (expected)
Major: Psychology
Minor: Computer Science
*(Transfer to Honors Cognitive Science in Fall 2021)

Cégep régional de Lanaudière, Terrebonne
DCS, Social Science, 2019

TEACHING EXPERIENCE

Tutor, Cégep régional de Lanaudière, Terrebonne, QC, 2018 – 2019

Tutored cegep students weekly in French. Helped them improve their written skills, understand the use of the language and prepare for exams or homework assignments by reviewing key concepts/grammar rules and doing exercises.

Private tutor, Terrebonne, QC, 2018 – 2019

Tutored cegep students in statistics and high school students in mathematics, both weekly. Helped the students understand the class material, use a logical reasoning, prepare for exams and reviewed their homework exercises.

OTHER EXPERIENCE

Customer Manager, Marketing 3D, Laval, QC, 2017 – 2020

Manage company's interaction with current customers and ensure that they are satisfied. Job position include tasks like reading/replying to the company's mail and e-mails and classifying company's invoices.

Sales Representative, Marketing 3D, Laval, QC, 2016 – 2017

Met directors and business owners to offer them the company's services. Sold promotional packages to individuals in the commercial sector through face-to-face meetings.

TECHNICAL SKILLS

Programming skills => Python, C, Java (COMP 202/206/250/251)
SPSS statistical program
Fluent in French

ANTHONY JONES
612 Rowanwood Avenue, Ottawa, Ontario K2A 3E2
613-323-1345 | 18adtj@queensu.ca

EDUCATION

| | |
|----------------------------------------------------------------------------------------------|------------------------|
| QUEEN'S UNIVERSITY , Kingston, ON | Sept. 2019 – Present |
| ▪ Bachelor of Applied Science candidate (Computer Engineering), 2023 | |
| ▪ Dean's Honour's List (3.9 GPA), 2019-2020 | |
| NEPEAN HIGH SCHOOL , Ottawa, ON | Sept. 2015 – June 2019 |
| ▪ Silver Medalist (>90% average), 2016-2019 | |
| ▪ Recipient of a Certificate of Distinction in Waterloo's Canadian Senior Math Contest, 2019 | |

WORK EXPERIENCE

| | |
|----------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| ADAPTIV NETWORKS , Gatineau, QC | May 2019 – Aug. 2019 |
| <i>Cloud-Managed SD-WAN Business</i> | |
| ▪ Investigated and analysed complex interdependencies of the API, GUI, and databases within the company's customer-facing portal | |
| ▪ Presented weekly status updates to project managers and developers | |
| ▪ Created and presented to company executives a 50-page technical document regarding the portal's component interdependencies | |
| KERNELS POPCORN , Ottawa, ON | Aug. 2017 – June 2019 |
| <i>Retail Service</i> | |
| ▪ Managed the store, often as the sole employee | |
| ▪ Conducted sales transactions and provided customer service | |

EXTRACURRICULAR EXPERIENCE

| | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| QUEEN'S SPACE ENGINEERING TEAM , Kingston, ON | Sept. 2020 - Present |
| <i>Member of the On-Board Computer Team</i> | |
| ▪ 3D modeling of a specialized STM32 microchip using KiCAD | |
| ▪ Developing code to manipulate a Raspberry Pi camera module | |
| ▪ Shadowing the sub-team executive leader, attending team executive-only meetings as the only non-executive, and developing technical and leadership skills | |
| QUEEN'S ROCKET ENGINEERING TEAM , Kingston, ON | Sept. 2019 – Dec. 2020 |
| <i>Member of the Aerodynamics Team</i> | |
| ▪ Researched and developed a pitot tube for the rocket, including CAD modelling and pressure sensor integration | |

SKILLS AND INTERESTS

Skills: C, C++, Python and MATLAB programming | Technical report writing | CAD modelling
Interests: Space Science | Business | Reading (Carl Sagan, Fyodor Dostoevsky) | Music | Fitness

ANTOINE GRÉGOIRE

149 Indian Rd, Toronto
M6R 2V7

18alg7@queensu.ca
416-707-6340

EDUCATION

| | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| QUEEN'S UNIVERSITY , Kingston, ON | Sept. 2019 – Present |
| Candidate for Bachelor of Electrical and Computer Engineering, 2023 | |
| COLLÈGE FRANÇAIS , Toronto, ON | Sept. 2013 – June 2019 |
| Prize of excellence in IB Mathematics 12 th Grade and Chemistry 12 th Grade Certificate of distinction for the Fermat Contest from Waterloo, 2018 | |

WORK EXPERIENCE

| | |
|---------------------------------------------------------|-----------|
| ROBOTICS CAMP, ÉCOLE GABRIELLE-ROY , Toronto, ON | Aug. 2018 |
| <i>Summer Camp Instructor</i> | |

- Full-time camp counsellor at a Robotics and Mathematics camp
- Assisted in building robots and leading children through relevant problem sets in a fun, creative and interactive manner

EXTRACURRICULAR EXPERIENCE

| | |
|---------------------------------------------------------------------------------|---------------------------|
| PYTHON & DJANGO FULL STACK WEB DEVELOPER BOOTCAMP , Online | Oct. 2020 – Present |
| COLLÈGE FRANÇAIS TECH TEAM , Toronto, ON | Sept. 2015 – June 2018 |
| <i>Co-Team Lead</i> | |

- Currently enrolled in Web Development course on Udemy
- Completed Python, JavaScript, HTML and CSS modules in course

- Organised major events for the school, such as musical performances and school plays
- Rose to the role of Technical Visual Director on the team over three years
- Was once responsible for teaching several new members prior to an event when members of the main team were unable to attend

| | |
|----------------------------------------------------------|-------------------------|
| GO WEST ATHLETICS VOLLEYBALL LEAGUE , Toronto, ON | May 2018 – Aug. 2019 |
| <i>Co-Captain</i> | |

- Co-captain of winning team in intermediate summer volleyball league
- Involved in organization of games, tactics and team communication

| | |
|--------------------------------------|--------------------------|
| UNICORN DAYCARE , Toronto, ON | July 2014 – Aug. 2018 |
| <i>Volunteer at Summer Camp</i> | |

- Supervised and interacted with campers from grade 1-6, accumulating over 400 volunteer hours
- Accompanied students on offsite field trips and to local swimming pool

SKILLS AND INTERESTS

- **Languages:** Verbal and written fluency in English and French
- **Interests:** Volleyball // Rock Climbing // Soccer // Music
- Completed the Leader in Training program at Arrowhead Camp (July 2017)

BENJAMEN PINSKY

Ben.pinsky@queensu.ca | 647-539-9234 | linkedin.com/in/benjamen-pinsky

EDUCATION

Bachelor of Commerce, Smith School of Business, Queen's University, Kingston, ON 2019 – Present

- Principal Academic Scholarship
- Leadership Award for Community Service (\$32,000)
- Achieved an A+ letter grade in first-year calculus course

Ontario Secondary School Diploma, UMCA Richtree Academy, Thornhill, Ontario 2016 – 2019

- Ontario Academic Scholar, Academic Honour Roll
- Class of 2019 Valedictorian

PROFESSIONAL EXPERIENCE

Co-founder, EnergAlze, Kingston, ON 2020 – 2021

- Piloted the business side of EnergAlze, an AI-driven startup created to help businesses seamlessly switch to renewable energy and cut costs
- Worked within InQUBate, Canada's first student-run AI startup incubator program to raise an initial seed round of funding for the company
- Participated and presented at CUCAI, a national-scale conference and AI pitch competition

Camp Director, ED Toronto Charitable Organization, Vaughan, ON 2018 – 2019

- Led recruitment process, designing and executing a hiring fair resulting in a highly diverse and specialized team of twenty counsellors
- Designed and consulted all programming and planned events for summer months to ensure all 200 campers got an educational and engaging summer camp experience

Marketing Intern, Art at Heart, Vaughan, Ontario 2017-2018

- Launched and helped implement a social media campaign to raise funding from more than 1000 people towards new equipment and resources
- Coordinated with head of marketing division to research and introduce a new marketing strategy for events

EXTRACURRICULAR EXPERIENCE

Senior Volunteer, Limmud FSU Canada, Toronto, ON

- Advised on overall planning of conference and assisted in improving efficiency when allocating funds 2019-Present
- Coordinated directly with the Chair of the Volunteer Committee to establish twenty professional speakers able to inspire and educate participants 2016-2018
- Trained and assigned over 50 junior volunteers for their responsibilities

High School President, UMCA Richtree Academy, Thornhill, Ontario 2018-2019

- Founded school's Reading Buddy Program, an initiative created to promote literacy amongst youth
- Liaised with three other schools to place over 250 student volunteers with charities and non-profit conferences
- Brought in therapy dogs to address mental health issues by alleviating stress and anxiety over academic performance

ADDITIONAL INFORMATION

- **Delegate**- Brandeis Pre-College Social Entrepreneurship initiative, 4-week leadership program located in Boston, Massachusetts
- **Languages**- Proficient in English, Russian, and French (French Certified by Alliance de Francais)

Benjamin Luo

Lake Worth, FL 33467 · (561) 371-3147 · bpla2019@mymail.pomona.edu

EDUCATION

Pomona College

Bachelor of Arts, Computer Science

Claremont, CA

May 2023

A.W. Dreyfoos School of the Arts

Piano Major

West Palm Beach, FL

May 2019

- Graduated top 10% of class; AP Scholar with Distinction

RELEVANT STEM COURSEWORK

- Cell Chemistry and Biology, General Chemistry, Linear Algebra, Cognitive Science, Genetics
- CS054 (Discrete Math & Functional Programming), Organic Chemistry, Psychology, Neuroscience
- AP Computer Science A: 4, AP Calculus AB/BC: 5, AP Environmental Science: 5
- Currently taking CS062 – Data Structures & Adv Prog, PSYC162 – Memory and Language

VOLUNTEER EXPERIENCE

National Honor Society

Sep 2017 – May 2019

- Participated in numerous community events and educational support activities

Kretzer Kids Foundation

2015 – 2019

- Delivered piano performances at nursery and retirement homes to cheer the patients
- Performed for fundraisers to support music education

Habitat for Humanity

2017 - 2019

- Helped renovate homes and organized donations to the Boca Raton thrift store

Dreyfoos Piano Department

Aug 2015 – May 2019

- Assisted with teaching and mentoring other students, set up performance halls, recorded performances for public viewing and other departmental tasks

LEADERSHIP EXPERIENCE

Mu Alpha Theta, Treasurer

Aug 2018 – May 2019

- Maintained monetary records, tracked membership dues, communicated with and balanced financial records of club with bookkeeper

Piano Department, Historian and Social Media

August 2017 – May 2019

- Developed video trailers to generate awareness of public piano recitals
- Recorded piano performances for every recital and uploaded them onto social media (YouTube channel) in timely manner

ADDITIONAL SKILLS

- Experienced with computing languages such as Java and Python, as well as some R.
- Can work with Adobe Creative Cloud applications, like Photoshop and Illustrator.
- Proficient with video editing and social media uploads
- Proficient with Microsoft Office applications, ex. Word, PowerPoint, Excel, etc.
- Willing and eager to learn new things and follow directions as needed.

Ben Graham

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Summary of Strengths

- Organized and detail oriented, skills I developed through event planning and teamwork experience
- Strong time management skills I developed as a result of my busy schedule of academics, extra curricular activities and employment in both high school and university
- Quick and self-motivated learning style due to my curious nature

Education

Queen's University

Kingston, Ontario

Bachelor of Applied Science in Engineering Candidate, 2023

- 4.17/4.3 GPA (Fall 2020), 3.92/4.3 GPA (Cumulative)
- Dean's Scholar for achieving an GPA above 3.5 with a full course load (2019-2020)
- Second year student in the Engineering Physics program
- Sub-specialty in Computing
- Orientation Leader
- Member of the QMIND (Queen's Machine Intelligence and Neuroevolution Design) team (2020-2021)

Western Canada High School

Calgary, Alberta

Graduating Class of 2019

- Lifetime member of the Western Canada High School Honors Society (academic average above 80% for all years of high school)
- Recipient of the Alberta Alexander Rutherford Scholarship (\$2500 for average above 80% for all years of high school)

Employment Experience

YMCA Calgary

Calgary, Alberta

November 2018 – August 2019

- Worked part time as a Lifeguard at both the Eau Claire and Seton branches of YMCA Calgary

Calgary Stampede

Calgary, Alberta

July 2017 – November 2017

- Worked as an Usher at the 2017 Calgary Stampede, and for several events on the Stampede grounds throughout the fall of 2017
- Awarded the 'Outstanding Service Award' for providing outstanding customer service during the 2017 Calgary Stampede

Volunteer Experience

Western Canada High School Band Executive

Calgary, Alberta

August 2018 – June 2019

- Time commitment of approximately 15 hours per week
- Leadership role in the organization and management of the band program and related events, mentoring of younger students, and program fundraising
- Worked on a subcommittee of 8 students to plan and execute social events outside of regular school hours

Media Manager for Western Canada High School Football Program

Calgary, Alberta

August 2017 – June 2019

- Time commitment of approximately 8 hours per week
- On field photography and videography, management of the program's social media, and production of the year end slideshow and highlight video

Complementary Skills

- C, Java, Python, and MATLAB programming languages
- Standard First Aid (CPR Type C / AED), National Lifeguard Pool, National Lifeguard Waterpark

Projects

- My past and current projects can be found at bengraham.ca/projects

**Education****The University of Western Ontario***Computer Science Post Degree program**2021 – anticipated**Bachelor of Science – Honours Specialization in Medical Biophysics**2018***Awards:** Global Opportunities Award, Western Scholarship of Distinction**Languages and Technologies**

Python | Java | C++ | Assembly | SQL | C# | JavaScript | HTML | CSS | MATLAB | R | LaTeX

Android Studio, Visual Studio, Eclipse, PyCharm, vim editor, Atlassian Software, Git, Relational DBMS

Professional Experience**Physics Research Assistant**, Biomedical Physics Research Laboratory, London ON**2019**

Project: Investigating shear stress in the blood vessel wall lining (endothelial cells) by using cell biomarkers to study the effects of vascular disease in large arteries where there is turbulent blood flow

- Generated velocity vector maps by implementing image cross correlation algorithms in MATLAB
- Velocity vector maps helped visualize and quantify calcium particle movements in the cell, and were used to capture indirect measurements of shear stress along a blood vessel wall lining

Honours Thesis, Robarts Research Institute, London ON**2016 – 2017**

Project: The application of iterative algorithms in CT image reconstruction for heart disease diagnosis

- Result: reduced the number of views used in the reconstruction up to 30%, while improving image quality and reducing motion blurring artifacts caused by movements in the chest cavity during the scan
- Used data processing pipeline in Unix environment with shell scripts
- Conference presentation: Imaging Network of Ontario (IMNO) – 2017

Leadership Experience**Co Director – AI Lightbox Initiative****2020- present**

In partnership with Deloitte and Western AI

- Running initiative, called Cloud Cookie, which hosts monthly virtual workshop series on the evolving presence of AI in tech and business industries and its societal impacts

Project Manager – Machine learning**2020**

Associated with Western AI (9-week project), Role: Project Manager (team of 5 students)

- Created a Recommender System for E-commerce data using collaborative filtering methods
- Optimized the model, resulting in a 25% improvement in prediction accuracy
- Tools and Languages: Python, Jupyter Notebooks, NumPy, pandas, scikit-learn, Matplotlib

Projects**Hack the North – CANSUMCAM – Winner of Sponsorship Prize****2021**

- Built an automated video summation tool for military applications, uses transfer learning
- Tools and Languages: Python, Javascript, Detectron2 library

Productivity Calendar Mobile App (for Ada Mentorship program)**2020 – 2021**

- Built wireframe and prototype using Figma, and conducted user interviews
- Product development using MERN tech stack (MongoDB, Express.js, React Native, Node.js)
- Tools and Languages: OAuth, Javascript, Material UI

HackPrinceton – Winner of Amazon Sponsorship Prize**2018**

- Built an Alexa Skill that plays music based on the weather outside
- Tools and Languages: JavaScript Frameworks, IBM Watson API, ASK, AWS Lambda

Smart Journal ([link to project](#))**2018**

- Built a sentiment analysis journal that can analyze a reader's mood from a journal entry
- Tools and Languages: JavaScript, HTML/CSS, IBM Watson API, Autocode platform

Brandon Ye

□ (416) 710-9876 | □ contactbrandonye@gmail.com | △ Toronto, ON | ○ yebrandon.com
□ github.com/yebrandon | □ linkedin.com/in/yebrandon

Education

Queen's University

Kingston, ON

Bachelor of Computing (Honours, Computer Science)

Sep. 2019 - Apr. 2023

- Dean's Honour List, 3.63 cGPA

Skills

Languages Javascript, Java, C#, Python, HTML, CSS, SQL

Technologies React, React Native, Expo, Node.js, Express.js, Flask, Firebase, Spring Boot, SQL Server, Unity, Git

Experience

Firefly AR

Toronto, ON

Augmented Reality Game Developer

Jun. 2020 - Sep. 2020

- Accelerated MVP development across 4 different application interfaces and scenes by creating modular game mechanic toolkit and assets library used by team of 5 developers in **Unity** mobile AR with **C#**
- Created immersive player experience with realistic object movement and collision simulations across 2 in-game tutorials by building custom 3D object models, environments, and physics interactions
- Established project's technical capabilities and limitations for 2 founders and team of 5 developers by composing 10+ page documentation on Unity assets and API, UX game design, and application flow for mobile AR

TD Securities

Toronto, ON

Full Stack Web Development Intern

May. 2020 - Aug. 2020

- Secured **6-figure funding** for further development on internal software modernization project by migrating 10+ year old platform to new tech stack and developing proof of concept web funding application in agile environment
- Decreased webpage **load time from >30 sec. to <3 sec.** by rebuilding data access layer in **Spring Boot** with **Java** and redesigning database schema in **SQL Server** to optimize processing time of **100 000+ SQL data entries**
- Streamlined UX and improved application accessibility for 10+ business users by redesigning front-end interface using **React** with **Javascript** and in-house UI library, giving live application demos to iterate based on user feedback
- Enabled JSON data transfer between back-end and 9+ internal microservices by constructing new REST API structure in **Node.js** and **Express.js** with **Javascript**, and generated API documentation using Swagger UI and OpenAPI

Projects

Voluntera (Queen's Tech and Media Club) - github.com/yebrandon/voluntera

May. 2020 - Present

- Build user registration system and profile page for volunteering marketplace web app in team of 3, developing data access back-end in **Firebase** as well as UI in **React** with **Javascript** based on mockups from designer
- Synchronize user profile database with existing account authentication system to maintain data integrity

Swype (Hack Western 7 Hackathon) - github.com/yebrandon/swype

Nov. 2020

- Hybrid mobile application that searches and displays restaurants based on user's location, desired price range, and desired cuisine type, allowing user to decide on a choice by swiping right or view another option by swiping left
- Designed UI mockups in Figma and implemented UI in **React Native** and **Expo** across 5 different application screens
- Connected frontend UI with backend using fetch requests to implement Yelp Fusion and Google Geolocation APIs

Veil (hackHer Hackathon) - github.com/yebrandon/veil

Nov. 2020

- Machine learning web app capable of identifying people wearing face masks with **99% accuracy** and people without masks with **87% accuracy** by processing webcam input with facial recognition and classifying images using AI model
- Trained and tested AI image classification model on dataset of **2000+ total images** using Tensorflow and **Python**
- Built back-end API using **Flask** to send image data between **React** frontend and image processing/classification scripts

Callum MacDonald

Portland, ME 04101 | (207)-553-0065 | caljmacd@gmail.com

2nd year computer science student looking for internships to gain experience in research and industry for Technology and Information Science.

Work Experience:

Queen's American Relations Association (QARA)

Head of Analysis/Co-Founder

JAN. 2021 - Present

Helped to found QARA, Currently organizing outreach and internal messaging, and going to lead analytical articles on US politics and culture, in relation to the Canadian experience.

Queen's RoboMaster

AI Engineering Team Member

NOV. 2020 - MAY 2021

Designing Robomaster's Robot's object detection & target-acquisition algorithms using AIs. Working in a ROS framework and Agile development team. Programming in Python.

Queen's Space Engineering Team (QSET)

Mars Rover - ECE Team Member

SEP. 2020 - MAY 2021

Responsible for collaborating with other engineers on the Electrical and Computer engineering projects and assignments regarding our new Mars Rover for the Canadian Space Agency's Competition in Alberta. Currently designing an Obstacle Detection algorithm for objects in the Pointcloud filter of the QSET Mars Rover's main camera, currently using ROS-based IDE, programming in Python.

Queen's Computing Student's Association (COMPSA)

Social & Logistics Coordinator

JULY 2020 - MAY 2021

Responsible for helping to plan, execute, and host social events throughout the year to help connect students and faculty in computing. Helped design and host a team trivia night over Discord for COMPSA.

Queen's University, Kingston, ON

Orientation Leader

JULY 2020 - SEPTEMBER 2020

Worked with a group of 3 other upper-year Computing students to welcome a group of new 1st year computing students to Queen's, via a virtual-orientation. We got them to mingle and play games and attend events to learn about queens, computing, and student life. Took multiple training sessions on mental health awareness and resource distribution, political correctness regarding both BIPOC and LGBTQ+ groups. This training also included orientation guidelines and situation training.

Education:

Queen's University, Kingston, ON — *Pursuing Bachelor of Computing (Honours), Cognitive Science Specialization (BCmpH)* - Cum GPA: 3.30

SEPTEMBER 2019 - MAY 2023

- Enrolled in Queen's School of Computing.
- Recipient of Principal's Scholarship (\$6K) upon acceptance to Queen's

1st Year: Introduction to Computer Science I and II, Discrete Mathematics I, Linear Algebra, Differential/Integral Calculus, Introduction to Cognitive Science, Introduction to Statistics.

2nd Year: Logic for Computing Science, Discrete Mathematics II, Cognition and Computation, Introduction to Philosophy, Computer Architecture, Linear Data Analysis.

Portland High School, Portland, ME—High School Diploma

- GPA: 99% (weighted); 95% (unweighted)

SEPTEMBER 2015 - MAY 2019

Anime and Gaming Club (Secretary), Drama + Shakespeare Club, National Honors Society, Executive Board (Treasurer), Portland Community Squash. AP Scholar.

Skills:

1. Proficient in Slack/Discord-specific communications skills and server moderation.
3. Proficient in MacOS and Windows operating systems, and experienced with all mainstream office suites.
4. Experienced in software and passionate for machine learning and game design
5. Experienced with functional and object-oriented programming; applied skills and tools learned in class to create projects, and I continue to build things on my own and publish them on GitHub.
6. Built a functional 3-D platformer in Unity with a friend for Senior (Grade 12) Capstone Project

Programming Languages:

Intermediate: Java, Python, R, SWI-Prolog, LaTeX, Git

Beginner: HTML, CSS, JavaScript, C/C#, MATLAB

Programming Tools:

Unity, Django, Eclipse, Visual Studio, VSCode, MATLAB, Git Bash

Spoken Languages:

English: Native proficiency (Expert)

French: Elementary proficiency (Intermediate)

CAMERON ESTABROOKS

c.estabrooks@queensu.ca | 905-536-1475 | <https://www.linkedin.com/in/cameron-estabrooks/>

EDUCATION

Bachelor of Applied Science Candidate: Computer Engineering, Queen's University, Kingston, ON 2019 – Present

- Chancellor's Scholarship
 - \$36,000 award given to only 50 students within a select pool of 1000+ nominated individuals across Canada.
 - Awarded based on "superior academic achievement, proven leadership skills, and creative and original thinking."
- Dean's Scholar (currently maintaining a 3.97 GPA)
- Certificate in Business Candidate, Smith School of Business at Queen's University

Ontario Secondary School Diploma, Grimsby Secondary School, Grimsby, ON 2015 – 2019

- Governor General's Academic Medal, Grimsby Benevolent Fund Volunteer Award, Distinction of Leadership Award
- Notable Involvements: Youth STEM Conference Speaker

PROFESSIONAL EXPERIENCE

Marketing Coordinator, Queen's Space Conference, Kingston, ON April 2020 – Present

- Annual, non-profit, student-run conference focused on connecting undergraduates with space industry leaders from NASA, the Canada Space Agency, and more.
- Responsible for creating a marketing strategy to expand and strengthen the conference brand to encourage ticket purchases.
- Achieved record number of applicant sign-ups and exceeded goal. Attained 150% of target.

Search Engine Optimization and Marketing Specialist, Fishing World, Hamilton, ON April 2020 – Sept. 2020

- Increased the global ranking of their eCommerce website by 91% (according to data from the Amazon Alexa Traffic Tool which measures internet traffic and engagement).
- Created marketing campaigns, designed promotional material, and managed company's Facebook page with 10k+ followers.

Engineering Design and Practice Sequence I (Coursework), Queen's University Sept. 2019 – April 2020

- Achieved "A" grade in this course that involves open-ended/complex problem solving, mathematical modelling, and analysis.
- Practical engineering design principles applied by developing a pathfinding algorithm to solve a real client's problem.
- Emphasis on oral and written presentation skills, project management, team dynamics.
- Performed cost-benefit analyses and evaluated ethical/legal implications

EXTRACURRICULAR EXPERIENCE

Orientation Leader: Group Manager, Engineering Society of Queen's University, Kingston, ON Aug. 2020 – Present

- Manage and oversee 10 other orientation leaders and 30 first-year students as the head leader within my group.
- Position continues past Orientation Week as year-long mentorship role to support first years academically and socially.

Space Rover Software Designer, Queen's Space Engineering Design Team, Kingston, ON Sept. 2019 – April 2020

- Designed software for a rover to autonomously navigate unfamiliar terrain at the University Rover Challenge in Utah.
- Project overlapped with extracurricular design team participation and *Engineering Design* coursework (achieved "A" grade)
- Applied software engineering principles in modelling, analysis, and testing.

ACCOMPLISHMENTS

Silver Medalist in Programming Section, Queen's Engineering Competition Jan. 2021

- Created and presented a pitch for a student budgeting web application with my teammates using JavaScript, CSS, and PHP.

Provincial Champion in Entrepreneurship Section, DECA (Business Competition) Sept. 2017 – May. 2019

- 2019 Provincial Champion, 2019 International Competitor representing Ontario, 2018 Top 10 Provincial Finalist

ADDITIONAL INFORMATION

Programming Languages: C (2 years), Python (4 years), VHDL (1 year), MATLAB (2 years)

Additional Skills: Fluent in Microsoft Office and Adobe Photoshop. Experience working with SOLIDWORKS.

Interests: Music Production, Guitar, Piano, Alto Saxophone, Skiing, Snowboarding, Rowing

CAMERON KA-WAI TAO

cameron.tao@queensu.ca | 647-526-6692 | <http://linkedin.com/in/camerontao>

EDUCATION

Bachelor of Commerce (Honours), Smith School of Business, Queen's University, Kingston, ON 2019 – 2023

- Recipient of the Excellence Entrance Scholarship

Ontario Secondary School Diploma, Holy Trinity School, Richmond Hill, Ontario 2015 – 2019

- Ontario Scholar, Academic Honour Role grades 9-12, Headmaster's Award for Academic Excellence grade 10

PROFESSIONAL EXPERIENCE

Accounts Payable Analyst, MetCap Living, Toronto, ON 2020 – 2021

- Prepared utility tracking list for 33 newly acquired properties; Registered ~150 utility preauthorized payment accounts
- Assisted with year-end vendor account reconciliation

Information Systems, Project Management Office Analyst, Maple Leaf Foods, Mississauga, ON 2020

- Led individual and group training sessions for implementation of ARM SAP Digital Solution to Canadian production plants
- Collaborated with a 50-person project team that resolved 125 issues and trained 460 users by asking thoughtful questions, proactively identifying issues, following through on all requests, and providing ongoing expertise to end-users
- Spearheaded 20 sessions of 'End of Project Refresher Training' across all plants over 5 days, for 37 end-users
- Customized content delivery based on end-users' specific needs, successfully generating 90%+ adoption rate across all plants
- Created a "Lessons Learned and Project Summary" presentation and presented to the project team & Global Director of IS

Camp Counsellor & Sports Camp Supervisor, Camp Green Acres, Markham, ON 2017 – 2020

- Collaborated with team members to tailor basketball lessons for ~100 children aged 5-12 with varying levels of experience
- Proactively addressed potential issues, while analyzing and establishing resolutions to conflicts amongst campers
- Enforced COVID protocols, ensuring the health & safety of campers, staff, and parents during an unprecedented summer

EXTRACURRICULAR EXPERIENCE

Relationship Coordinator, Queen's Retail Forum, Kingston, ON 2020 – Present

- Liaison between club's executive team and external organizations, coordinating speakers and sponsorships for events
- Trusted to develop new, and foster existing relationships with small and large-scale businesses

Special Events Team, EDGE Queen's Chapter, Kingston, ON 2020 – Present

- Organize, plan, and execute internal events that foster team building, cohesiveness, and inclusivity
- Promote EDGE's mandate of enabling the personal/professional growth of underrepresented students

Student Manager Volunteer, Queen's Men's Basketball, Kingston, ON 2019 – 2020

- Collaborated with coaches, managers, athletic therapists and players 2-3 times/week to ensure practices are organized
- Quickly learned practice systems and how to operate technology; video camera and score table

Player & Former Captain, Run With It Basketball Academy, Vaughan, ON 2017 – 2019

- Aligned team goals and led the basketball team towards achieving them, maximizing collectiveness and unity
- Competed at a high level across Ontario and the United States while exercising leadership, communication and team skills

Volunteer Medical Mission Team Member, Mully Children's Family, Ndalani, Kenya 2015, 2019

- Dental assistant, serving 3300 orphans and members of surrounding communities as a team
- Optimized efficiency by facilitating patient flow between optical, medical, pharmaceutical and dental clinics

ADDITIONAL INFORMATION

- Skills: SAP, Yardi Voyager, Salesforce, Microsoft Office 365
- Finalist - Queen's Sports Industry Conference; Canadian Olympic Committee Case Competition (2020)
- Top Mark in oral presentation (100%) and overall event - DECA Regionals (2018)
- 3-Sport High School Varsity Captain; Basketball, Volleyball, Track & Field - Male Intermediate Athlete of The Year
- Senior Band Lead Clarinetist – Gold and "Best in Category" at Ontario Band Festival 2017, Silver at Canadian Nationals 2017

CAMILA IZQUIERDO

18cni@queensu.ca | 289-259-6013 | Burlington, Ontario | linkedin.com/in/camila-izquierdo

Education

Queen's University | Kingston, ON | Expected Graduation in 04/2023

Bachelor of Engineering and Applied Science: Computer Engineering

Relevant Courses: APSC 143 – Computer Programming for Engineers, APSC 174 – Linear Algebra, ELEC 278 – Fundamentals of Information Structure, ELEC 271 – Digital Systems, ELEC 279 – Object Oriented Programming, ELEC 274 – Computer Architecture

Technical Experience

Design Team Member | QMIND (Queen's AI Hub) – Kingston, ON | 09/2020 – Current

- Learned computer vision and machine learning concepts in order to create interview preparation software for our client (OpenCV, TensorFlow) and applied these in individual work.
- Attended and completed workshops focused on using NumPy, Pandas, and Matplotlib.

Delegate Coordinator | Queen's Conference on Business and Technology – Kingston, ON | 03/2020-Current

- Organized hackathons, mentorship programs, and handled general delegate relations for 50-100 participants.
- Adapted to quickly changing situations such as repivoting event focus due to COVID-19, hackathon teams dropping out, mentorship program issues, and technical difficulties.
- Managed communication between teams (logistics, finances, marketing) to successfully promote and run our events.

hackHer Hackathon | Queen's Women in Computing – Kingston, ON | 10/2020

- Created an app to track long-term COVID-19 health effects, traCOVID, using Python for backend code.
- Used Figma to create interactive screens and buttons to highlight the app during our presentation.
- Placed first in the “Health and Education” stream.

Vehicle Ergonomics Team Member | Queen's Baja Sae – Kingston, ON | 09/2019 – 04/2020

- Learned how to create splines, extrusions, and curves in SolidWorks in under two months to create an ergonomic seat model.
- Actively collaborated and iterated with team members on materials and designs to produce a final model using a wood composite mold and lay-up techniques.

Work Experience

Cook/Cashier | Artisan Pizza – Burlington, ON | 08/2017 – 01/2021

Server | The Endzone Bar & Grill – Hamilton, ON | 06/2020 – 10/2020

Group Host/Server | Viking's Landing – Burlington, ON | 06/2020 – 10/2020

Activities and Awards

First Place Winner | hackHer | My team was recognized for our app “traCOVID” in the Health and Education stream. (10/2020)

Provincial Champion | DECA Ontario | Placed in the Top 8 for my international business plan on sustainable water bottles. (02/2019)

Award of Acknowledgement | Government of Canada | Awarded for my success in the DECA Ontario competition. (02/2019)

Rotary Youth Exchange Ambassador | Rotary International | Travelled to and lived in Italy for a year, learning about the culture and acting as an ambassador through local volunteer opportunities like the Garda Green Festival. (2016/2017)

Interests: Photography, Guitar, Rugby, Travel, Cooking, Axe Throwing

Skills

- | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none">• Python• C• Web Development (HTML, CSS)• VHDL Implementation• MATLAB• Java | <ul style="list-style-type: none">• SolidWorks• Spanish, French (Conversational)• English, Italian (Fluent)• Agile• Figma• Android Studio |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

CARSON PENNINGTON

carson.pennington@queensu.ca | +1 (289) 380-6063

EDUCATION

Faculty of Engineering and Applied Science, Queen's University

Bachelor of Applied Mathematics Engineering

Kingston, ON

Class of 2023

- Academics: 3.47/4.3 cumulative GPA;

- Relevant Coursework: Advanced Calculus(A), Fundamentals of Information Structures (A-), Algebraic Structures (B+)

Newmarket Highschool

Ontario Secondary School Diploma

Newmarket, ON

Class of 2019

- Academics: 88% Average, Honor Roll Status, French Immersion Certificate

- Activities: President of Student Council, Captain of Rugby Team, Harold Cook Memorial Award for Sportsmanship

PROFESSIONAL EXPERIENCE

Spray Lake Watersport Activity Center

Waterski Coach

Newmarket, ON

September 2018 – Present

- Drove and instructed high level water-skiers maintaining a strict schedule while maintaining COVID-19 safety measures

Arrowhead Camp

Camp Counsellor

Dwight, ON

June 2018 – August 2019

- Worked with team of over 60 staff members to safely run and oversee residential summer camp activities for ages 6-16

Cineplex

Cast Member

Aurora, ON

April 2017 – December 2018

- Worked selling concession items and tickets to customers as well as working with coworkers to clean theatres

EXTRACURRICULAR EXPERIENCE

Newmarket Minor Hockey Association

Assistant Captain of Hockey Team

Newmarket, ON

September 2016 – May 2019

- Used leadership skills to motivate team and worked with team administration to create healthy cohesive dynamic between players and coaches

Engineering Society Council

Section Representative

Kingston, ON

September 2019 – April 2020

- Voting member on Engineering Society Council elected by peers to represent interests of over two hundred students, planned student wellness events, effectively communicated important information to students regarding government activity

Engineering Equity Committee

General Member

Kingston, ON

September 2019 – April 2020

- Worked with committee to promote and implement equitable solutions into engineering society policy, lead project to assist with mental health maintenance during exam season

ACHIEVEMENTS

- Highschool Honor Roll 2019
- Ontario Waterski Championship Silver Medalist 2019
- Deans Scholar 2020
- Ontario Waterski Championship Bronze Medalist 2020

ADDITIONAL INFORMATION [Fill the rest of the space here as needed]

- Technology: Proficient in C, Java, VHDL and MATLAB Programming Environment
- Languages: Fluent in English and French
- Interests: Waterskiing, Hockey, Skateboarding, Speed Cubing, Artificial Intelligence

Charles Stuart

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About Me

I am a second year Electrical Engineering student at Queen's University. I am passionate about technologies that push boundaries and look forward to gaining more experience circuit design, computer hardware and systems, FPGA design, and RF systems.

Education

Queen's University Bachelor of Applied Science, Electrical Engineering September 2019 - Present

Experience

Queen's Hyperloop Design Team

Power Systems Technical Member

September 2020 - Present

- Preparing prototype Hyperloop pod to compete in the 2021 SpaceX Hyperloop competition
- Researching and developing battery and battery monitoring systems to ensure the high voltage system is safe and able to power the pod

AUVSI SUAS Competition Team

RF Communication Manager

August 2018 - June 2019

- Placed 2nd worldwide and 1st in North America in AUVSI SUAS competition against over 70 universities and 4 other high schools
- Was responsible for developing and testing the entire RF communications system between the team's UAV, UGV, and ground station to ensure a strong telemetry connection
- Produced 15 minute Flight Readiness Review video to showcase the systems on the UAV and the testing that had been done to ensure the UAV was capable of safely flying

Skills

- | | | |
|----------|--------------|------------------|
| • C | • Altium | • Circuit Design |
| • VHDL | • RF Systems | • Soldering |
| • Python | • Solidworks | • Oscilloscope |
| • MATLAB | • Linux | • Multimeter |

Projects

Custom Motor Controller

- Designed and created custom motor controller with pwm speed control through a timer 555 IC and an h bridge to switch direction for a remote control car project
- Utilized Altium designer, circuit design, soldering, and rapid prototyping skills

YouTube Channel (Tech Always)

- Created and ran computer hardware focused YouTube channel, Tech Always
- Gained over 4,800 subscribers and 500,000 views
- Produced high quality videos on how to build computers in an entertaining and informative manner

Windows Volume Mixer

- Identified need for physical control of different program audios and researched solutions
- Built mixer to allow user to easily adjust volume of individual programs
- Utilized Arduino, breadboards, circuit design, soldering, and 3d printing technologies

Christopher Iwamoto

 christopher.iwamoto@trainwithodys.com

 linkedin.com/in/christopher-iwamoto

 <https://github.com/19CWI>

Summary

I'm a computer science student specializing in cognitive science and AI

Experience

Co-Founder

Odys inc.

Sep 2020 - Present (6 months +)

Lead data analyst and computer vision

Cashier

Noah's Natural Foods

May 2018 - Present (2 years 10 months +)

Education

Queen's University

Bachelor of Computing Honours, Cognitive Science

2019 - 2023

Skills

Microsoft Excel • Python (Programming Language) • Java • Android Studio • Prolog

Honors & Awards



GTHL Midget A championship - Greater Toronto Hockey League

Mar 2019



OFSSA track and field bronze medal for pole vault - Ontario Federation of School

Athletic Associations (OFSAA)

Jun 2017

Christophe Gauthier

85 Division St. • Kingston, K7H 3C5 • 17cpjg@queensu.ca • (613) 464-0198

<https://www.linkedin.com/in/chrisgauthier9/>

Education

QUEENS UNIVERSITY

BASc, Computer Engineering, GPA: 3.4/4.0, Dean's List Winter 2020
Certificate in Business

Kingston, On
Predicted 2023

ASHBURY COLLEGE

Highschool Diploma, GPA: 4.0/4.0 Honor roll 2015-2018.
Arts Prefect. Arts and Academics Award.

Ottawa, On
Graduated 2018

Work Experience

HOUSE RENOVATORS

Construction Worker

- Worked 45-hours a week doing house construction and renovation
- Acquired a base set of painting, home repair and construction skills
- Certified working at heights and on lifts

Perth, On
Summers 2019 – 2020

PIONEER CAMP ONTARIO

Camp Counselor

- Oversaw and cared for a small group of teens for one to two weeks
- Built leadership and teamwork skills

Perth, On
Summers 2016 – 2018

Extra Curriculars and Activities

QMIND - Queens AI Club

Events Director/General Member

- Organized numerous events throughout the year, including panels, socials and coding events
- Oversaw club engagement over the year, implemented new strategies to increase online engagement
- Worked with a team of 5 to build a predictive model of bed occupancy at the Kingston General Hospital
- Built an ARIMA model and a neural network in Python
- Created a Graphical User Interface for both models in Python

Kingston, On
2019 – Present

QAB – Queens Applied Biology Club

General Member

- Researched bio-mercury accumulation and its effects on the human body
- Worked towards publishing a paper in early 2021 for the Queens Science Undergraduate Research Journal

Kingston, On
2019 – Present

ASHBURY COLLEGE – Highschool Arts and Event Coordinator

Arts Prefect

- Organized two coffee houses, the annual art show and the annual casino night
- Oversaw all arts related developments and projects within the high school

Ottawa, On
2017 – 2018

Skills

Technical: Knowledge of C, Python, Java, HTML, Git

Studied basic VHDL, Nios II assembly language

Experienced in Matlab, Solidworks, Microsoft Office Suite, Adobe Creative Suite

Language: Fluent in both French and English

Claire Chang

cschang@hmc.edu • (609) 608-6386 • linkedin.com/in/claireschang/ • github.com/claires99/

EDUCATION

Harvey Mudd College (HMC)—Claremont, CA

Aug 2019 – Present

Overall GPA: 3.8

Joint Major in Mathematics and Computer Science, Class of 2023

Completed Coursework: Systems Engineering, Real Analysis, Abstract Algebra, Data Structures

In Progress: Signal Processing, Scientific Computing

West Windsor-Plainsboro High School North—Plainsboro, NJ

Sept 2015 – June 2019

Overall GPA: 3.97

LEADERSHIP EXPERIENCE

Study Cloud (Web Development Club), Co-President

Sept 2019 – Present

- Developed the backend of a website for students to share study resources, using “Bouncer” framework on Github to code a functional administration system
- Utilized PHP and Laravel, while integrating code with HTML, CSS, and JavaScript

Association for Computing Machinery for Women (ACM-W)

Sept 2019 – Present

- Organized events impacting 200+ people like interview workshops and mentorship opportunities
- Corresponded with companies to host puzzle events, tech talks, workshops, and panels

Sustainability Representative (Student Government)

Sept 2019 – May 2020

- Advocated for more sustainable weekly barbeques by meeting with dorm presidents, residents, and the dining services manager and ultimately reduced single-use plate and utensil usage by 20%
- Guided other projects, including the “Weigh the Waste Campaign” and “E-Waste Drive”

The Coding School

Oct 2019 – Mar 2020

- Designed a curriculum for introductory Java from basics to algorithms and data structures
- Collaborated with 2 other team members with weekly calls and independent work to meet a deadline

WORK EXPERIENCE

HMC Computer Science, Grader/Tutor

August 2020 – Present

- Tutor and grade for introductory CS class (Fall 2020) and Data Structures (Spring 2021)

Juni Learning, Computer Science Instructor

June 2020 – Present

- Teach students ages 6-18 Scratch, Python, Java, and web dev through weekly online coding classes

HMC Homework Hotline, Science and Math Tutor

Sept 2019 – May 2020

- Resolved questions from student callers with technical expertise and communication skills

HONORS & AWARDS

- 2020 Best Music Hack at HobbyHacks (team of 3; out of 55 submissions)
- 2019 Study & Promotion of Computer Science (top 4 in class of 300+ seniors)
- 2019 US Presidential Scholars Program Candidate
- 2019 National Merit Scholarship
- 2018 Assisting Individuals with Disabilities (AID)—English Teacher in Miaoli County, Taiwan

SKILLS

- Proficient with Java, Python, PHP, HTML, CSS, and JavaScript

CLAIRE MURPHY

claire.murphy@queensu.ca | 289-681-0277 | <https://ca.linkedin.com/in/clairesmurphy>

EDUCATION

Bachelor of Commerce, Smith School of Business, Queen's University, Kingston, ON 2019 - 2023

- **Academics:** 3.95/4.30 GPA, D.I. McLeod Dean's List Scholarship, Queen's Excellence Admission Scholarship
- **Activities and Societies:** The Queen's Business Review, Queen's Women in Financial Markets, Queen's Dance Club, Intramural Water-polo, InQUbate, Queen's Accounting Association
- **Conferences Attended:** Queen's Self Evaluation Learning Forum, Queen's Women in Financial Markets Annual Symposium, HackHer Hackathon, EY Challenge

Ontario Secondary School Diploma, Holy Trinity Catholic Secondary School, Oakville, Ontario 2016 - 2019

- **Awards:** History Award (2019), Academic Excellence (2017-2019), Honor Roll (2016-2019)
- **Activities:** DECA Club, Track and Field, Rugby, Social Justice League, Relay for Life

PROFESSIONAL EXPERIENCE

Data Compensation Intern, Willis Towers Watson, Toronto, ON Summer 2020

- Completed a 16-week internship in the Global Data Services Department assisting with the analysis of compensation data
- Analyzed data submissions for over 100 companies using excel and verified information through client follow-ups
- Used attention to detail to analyze company financial statements and proxy statements and model clients' confidential compensation data for use by the consulting team

Summer Camp Inclusion Support Worker / Concessionaire, Town of Oakville, Oakville, ON 2018 - 2019

- Individualized summer camp programming using new ideas to meet the needs of children with disabilities and developed close relationships with participants to ensure participant comfort and safety
- Improved existing summer camp activities earning award for initiative
- Supervised snack bar and skate rental shop independently and prepared cash floats and sales summaries to report daily snack bar activities to management

Crew Member, Wendy's, Oakville, ON. 2016 - 2017

- Responsible for food preparation, dining room cleanliness and order taking in a fast-paced environment
- Trained new hires in cash register practices and opening and closing procedures

EXTRACURRICULAR EXPERIENCE

Editor, The Queen's Business Review, Kingston, ON 2020 - Present

- Published bi-monthly articles for the Queen's community covering topics in economics, technology, business and politics
- Published two articles for Calico Marketing Solutions, a Toronto-based marketing startup
- Collaborated with a team of students to write and judge a 3.5-hour business case for the 2020 Queen's Case Competition

Junior Member, Queen's Women in Financial Markets, Kingston, ON 2019 - Present

- 2nd place finalist in the Burgundy Asset Management stock pitch competition
- Completed educational modules on Excel fundamentals to develop a proficiency with spreadsheets

Business Development Lead, InQUbate, Kingston, ON 2020 - Present

- Selected to participate in Canada's first student run AI startup incubator program
- Collaborating with a team of engineering and computing students to create an AI solution in the B2B and B2C SaaS space
- Conducted market research and presented findings to an advisory board of Queen's professors

ADDITIONAL INFORMATION

- **Leadership:** Volunteering in the QSuccess program as a mentor to incoming first-year students at Queen's
- **Certifications:** Standard First Aid and CPR C with AED from the Lifesaving Society
- **External Courses:** IBM Python Basics for Data Analysis and The Marquee Group: Financial Modelling
- **Competitive Irish Dance:** Danced for 14 years competing at The North American Irish Dancing Championships

Connor Massey

647-885-2127 | 18ccm6@queensu.ca

EDUCATION

- B.A.Sc, Computer Engineering, Queen's University 2019 – Present
- Dean's list in first year of university 2020

SUMMARY OF SKILLS

- **Computer fluency** – Strong understanding of C, Java, Python, Arduino, and MATLAB languages. Experience with data structures, algorithms, and object-oriented programming. Proficient in Word and Excel. Participated in Queen's Capture the Flag and QHack hackathons.
- **Leadership** - Lead a group of student peers in a Hyperloop design project as part of a first semester course. As curling team skip set strategy and made key decisions for the team while under pressure.
- **Time Management** - Pursuing an Engineering degree while participating in extra curricular activities such as the Queen's varsity curling team and intermural volleyball team.
- **Quick Learner** - As a cook learned the full menu and was trusted to be the only person in the kitchen within 2 weeks of starting, with no prior training.

SCHOOL ACCOMPLISHMENTS

- 4.0 GPA in first year of university 2020
- Achievement in Calculus award and Design Technology award grade 12
- McMaster physics competition runner-up grade 11 and 12

RECENT WORK EXPERIENCE

Golf Course Greens Keeper: Richmond Hill Golf Club Summer 2020

- Quickly learned a variety of maintenance tasks such as preparing the bunkers, cutting the tee-decks, trimming grass and grass restoration.
- Trusted to independently complete my jobs each day

Cook: The Boathouse at Viamede Resort Summer 2019

- Learned how to cook all 25 dishes on the menu
- Worked independently in the kitchen at times or with one or two other cooks
- Worked 40+ hours a week

DANEL POLYAKOV

email: danelpo@gmail.com

github: <https://github.com/danelpo/>

portfolio: danelpolyakov.me

linkedin: <https://www.linkedin.com/in/danel-polyakov/>

PROFILE

Initiative-taking and enthusiastic team player with proven leadership and communication skills along with professional office work experience. Seeking opportunity to leverage my talents, to further advance the company and to achieve company targets.

WORK EXPERIENCE

- Sept 2020 - Present Team and Tech lead, *InQubate*
Lead a team of students into starting an AI-based startup company. I was assigned the Team Lead and Tech Lead roles. I am responsible for overseeing the entire project (as Team Lead) and for the back end and API development (as Tech Lead).
- Sept 2019 – Junior Software Developer, *Northforge Innovations*
- Jan 2020 Worked on two projects at a human outsourcing company.
- A **Spring-boot MAVEN full-stack** application built in both **Java** and **JavaScript**. The application was a network graphing software mainly built in **JavaScript** with the use of **React.js**, **d3.js** and **bootstrap**.
 - I made **python** automation scripts for **Excel** using **openpyxl**.
- June 2019 - present Rock Climbing Coach and floor staff, *Altitude Gym*
Started out at a floor staff, then started working in birthday parties and reception as well, until I eventually started to coach. Initially I only coached the recreational courses but about six months later I started coaching the pre-competitive climbing team instead.

EDUCATION

Queen's University at Kingston, *Ontario, Canada*
2020 - 2024: Honors Bachelor of Computer Science

AQUIRED SKILLS

- Software skills: JavaScript (react.js, d3.js, spring-boot, REST API), HTML & CSS, Java (MAVEN), MonkeyC, Python, git
- Languages: English, Russian, Hebrew

Danica Du

ddu@g.hmc.edu
linkedin.com/in/danica-du
github.com/danica-du
(858) 500-2865

Education

Harvey Mudd College | Claremont, CA
B.S., Computer Science; May 2023

Relevant Coursework

Data Structures and Software Development, Computer Systems, Discrete Mathematics, Principles of Computer Science, Linear Algebra, Single and Multivariable Calculus

Skills

Programming Languages
Python, Java, C++, JavaScript, HTML, CSS, C

Web Technologies/Frameworks
Flutter, Angular, Git

Other
Mandarin Chinese (native), Spanish (conversant)

Experience

Mischief.app

Software Engineer Intern | Flutter (Dart), Angular (TypeScript) Los Angeles, CA
Jun. 2020 – Sep. 2020

- Collaborated with a team of three to complete biweekly application design sprints, using Git and GitHub for merging code
- Used Flutter SDK to implement a social media platform to help people in the film industry network and find career opportunities according to Figma wireframe; wrote documentation
- Implemented Google Calendar API to allow users to schedule meetings

UC San Diego Computer Science Research Lab

Research Intern | C++, C San Diego, CA
Jun. 2018 – Sep. 2018

- Collaborated and discussed solutions with graduate student interns while working on individual projects under supervision of UC San Diego Professor Andrew Kahng
- Researched clustering algorithms, specifically k-Means versus capacitated k-Means, through research papers and other implementations online; presented findings to professor weekly
- Implemented findings in C++, C code to perform k-Means clustering on input pointset data; wrote user manual
- Employed utilities in Linux, such as GNU Parallel and Python scripting, with the mentorship of another graduate student in the lab

Harvey Mudd CS Department

Tutor/Grader | Java, Racket Claremont, CA
Sep. 2020 – Present

- Held weekly sessions to grade and tutor students across the Claremont Colleges on the Principles of Computer Science course, covering topics like object-oriented programming, data structures, algorithms, and complexity analysis

Projects

Message in a Bottle | MongoDB, Express.js, React.js, Node.js, HTML/CSS Feb. 2021

- Built a web platform for users to create and respond to prompts that travel nationwide with a destination using MERN stack to tackle the Social (Inter)connectivity challenge; submitted for TreeHacks 2021 on a team of four
- Programmed frontend in React.js to connect to backend API endpoints and manipulate MongoDB documents
- Implemented JavaScript Geolocation API to link user location to responses

Resume Parser

| Python Sep. 2020 – Dec. 2020

- Developed a working algorithm for a student startup company, Higher Recruit, that aims to tackle recruiting bias and inefficient employer-employee matching as a part of P-ai, an AI project-based student organization
- Researched bias in AI, supervised and unsupervised learning, and resume parsing algorithms before continuing with the BERT model for algorithmic prototyping powered by natural language processing

RoboSub

| Python Sep. 2020 – Dec. 2020

- Worked towards building a completely autonomous underwater robot to compete in the collegiate competition
- Implemented principal component analysis and k-Means algorithm to cluster a dataset of images that can be used to identify objects in an image on a real-time basis with machine learning

Snake Game

| Java Apr. 2020

- Programmed the classic Snake game with the Model View Controller design
- Enhanced the game with an AI snake mode, using breadth-first search algorithm to find the nearest target



ELIJAH JAMES

MATHEMATICS AND COMPUTING ENGINEERING STUDENT
PHONE NUMBER: 519-831-8095 | EMAIL: 19EWJ@QUEENSU.CA

SKILLS

I have strong mathematical and programming skillsets. I can write clean and efficient code in Python, C, C++, MATLAB, and JavaScript. My python skillset includes proficiency in data structures, algorithm design and analysis, machine learning and comprehension of computational complexity. Currently enrolled in an object-oriented programming course using Java. I am proficient using tools such as Excel, Git, and Linux. I am fluent in French, and I excel at creatively and collaboratively solving problems.

PROJECTS

- Clothing identification program (Scikit learn/Python)
- Personal Website (HTML, CSS, JavaScript, Bootstrap, jQuery)
- Voiceprint recognition program (Librosa, TensorFlow)
- Text Attitudinal Impact Calculator (Python)
- Degree Predictor (Python, Scikit Learn)
- Web-based Calculator (React, HTML, CSS, Javascript)

EXPERIENCE

MACHINE LEARNING DEVELOPER • QMIND • SEPT 2020 - PRESENT

Uses Keras, tensor flow, librosa and scikit learn in Python to develop improvements for voice assistants, such as Siri or Alexa to improve their ability to differentiate between speakers for audio of both single word and full sentences.

SOFTWARE DEVELOPER • QUEEN'S SPACE ENGINEERING TEAM • SEPT 2020 – PRESENT

On the electrical and computing team developing the software for the rover's wheel odometry node using C++ and simulating the rover's performance in ROS within Linux, as an alternative to in person rover testing due to COVID-19. Also built a python program that computes the rover's 3D velocity given its positional data.

BUILDING AND MAINTAINING MY PERSONAL WEBSITE • [HTTP://ELIJAHWJAMES.NET/](http://ELIJAHWJAMES.NET/)

Deployed a website built using HTML, CSS, JavaScript, and Bootstrap. Currently improving my skills with React and Node.js to integrate them into a full stack blog project.

Education

BACHELOR OF APPLIED SCIENCE IN MATHEMATICS AND ENGINEERING • IN PROGRESS • QUEEN'S UNIVERSITY

Dean's list student with a 3.90 cumulative GPA. My course-load is split between mathematics courses and coding classes. Project courses also focus on Excel proficiency. Relevant courses are a C/C++/MATLAB course, an object-oriented design course in Java, and a Python programming course, all of which are supplemented by my self-teaching, club involvement and passion projects.

HIGH SCHOOL DIPLOMA • JUNE 2019 • JOHN F. ROSS CVI

Graduated in 2019 with a 95% average, involved in student government, social justice clubs, physics club and numerous sports teams. Received the silver pin and awards in mathematics, science, French, and English.

Eric Wang

e.wang192@gmail.com | 647-606-9965

EDUCATION

Western University

Bachelor of Medical Science

London, Ontario

Expected May 2023

- **GPA:** 3.9 /4.0

LEADERSHIP EXPERIENCE

HOSA Western

London, Ontario

First year rep

01/09/2019 – 31/05/2020

- Acted as a liaison for first year Western students and HOSA Western
- Advertised various club meetings and workshops offered by HOSA Western to first year students. Opted for a personal and face-to-face approach of informing students as opposed to marketing online. Directly helped 5 interested first year students learn about future career paths in medicine and healthcare.
- Reached out to UWO associations to find interested clubs that were available to booth at the flagship HOSA Western event. Multiple clubs related to healthcare and medicine interacted and networked with over 150 participants, allowing HOSA members to broaden their career prospects.

SIDE PROJECTS

Python Sentiment Analysis Workshop

Toronto, Ontario

Predicting elections with AI sentiment analysis

10/25/2020 – 11/03/2020

- Utilized Tweepy API wrapper to extract Twitter data on hashtags such as #Trump and #Biden
- Trained an AI sentiment analysis model using fastText with 1.6 million tweets. Tested accuracy of 80.2%
- Used model to predict positive and negative sentiment within each hashtag to ultimately evaluate Twitter users' sentiment on Trump and Biden
- Conducted a sentiment analysis workshop and python notebook crash course for 80 Western students. Explained and extrapolated twitter data to predict results on the day of election

Java AI Side Projects

Toronto, Ontario

Self-taught applications with AI

07/01/2020 – 09/01/2020

- Recreated popular phone games such as 2048 and Flappy Bird using Java Swing GUI
- Experimented and created AI neural networks
- Applied evolutionary algorithms in the Flappy Bird application. AI was able to eventually play the game indefinitely without dying
- Integrated heuristics and game states in the 2048 application. AI was able to win the game (finish with a 2048 tile) 25% of the time

SKILLS, ACTIVITIES & INTERESTS

Programming Languages: Python, Java, C++, R

Skills: Familiar with Excel, Google Scholar, Web of Science, and PowerPoint. Knowledgeable in capital markets and financial derivatives.

Activities: Volunteering with special needs children, Pathophysiology educator (HOSA)

Interests: Quantitative trading, alpine skiing, swimming, soccer

Erik Koning

<https://github.com/Erik-Koning> | <https://www.linkedin.com/in/erikkoningcanada/> | Erik@Koning.ca

Summary

Computer Engineer with a passionate & enthusiastic work process for developing products that brings joy to those that use it. Hands-on experience in all steps of developing user facing technology including integration, usability, performance, functionality, user interface, media design, team management, as well as strategy and leadership skills in startup companies. **My interests exist with projects that maximizes the productivity and sustainability of humanity, such as direct-to-consumer companies, virtual workspace enablers, automation, and renewable technologies.** I have experience strategizing startup business plans from a technology stand-point, and operations with teams. I always strive to execute work in an efficient manner such that re-usability, utility, and deliverable accuracy is maximized.

Skills & Abilities

- Self Motivated & Self Managed
- Agile/Scrum Work-Flow
- Design + system thinking generation
- GUI Microservice integration
- Website design
- Product design
- Product Integrations
- Embedded programming in C
- Product Organization and Timeline Following
- Team / Client Communication
- Android Studio App Development
- Strong in C & Python Some Java & C++

Experience

Promovere Technology Lead (Co-Founder) promovere.co

2020 -

Primarily an internal job marketplace powered by machine learning to match highly relevant jobs with employees, a career pathing tool, and mentorship matching feature. The app is built using a MERN stack, and python for our cloud based ML.

OpBox Technology Lead (Contractor) opbox.ca

2020 - 2021

Multi component hardware and software creation and integration to develop an automated vertical farming hydroponic product.

Doppl Inc Founder. Doppl.ca

2019 - 2020

lead our prototype development - PCB, firmware , network server, and managing website developers. Doppl became QICSI's fastest growing company of that year with a \$1.2M+ valuation after just 8 months.

Blackberry Student Software Developer

Summer 2018

Linux kernel, security for linux, and porting older BB security features to newer code bases.

Queens University Mostly Autonomous Sailboat Design Team

2016-2018

Programmed various small tasks the "sailbot" requires for operation such as servo motor control, navigational algorithms, sensor readings, & sail trim algorithms.

Education

Bachelor of Applied Science, Computer Engineering – Software Stream: Class of 2019

Queens University – Kingston, Ontario

ETHAN CALLANAN

Developer - Leader - Learner

PERSONAL PROFILE

- Exceptionally passionate about data science and software engineering
- Strong leadership and communication skills developed through my position as a team lead on QMIND and working with a team at Royal York Property Management (RYPM)
- Dedicated and driven as proven by working voluntary overtime to bring my ideas to life in my limited time at RYPM
- Quick and effective learner as demonstrated by my transition from beginner backend developer to leading full-stack developer in a matter of months
- Experience in applying academic computer science concepts through professional development at RYPM and leading a research project in QMIND

TECHNICAL SKILLS

- Typescript/Javascript
- Python
- Git
- Linux
- Bash
- Java
- React
- SQL
- Docker
- AWS
- HTML and CSS/SASS
- Mobile development
- Node

GET IN TOUCH!

Phone: 289-828-0702
Email: e.callanan@queensu.ca
LinkedIn: linkedin.com/in/ethan-callanan
GitHub: github.com/e-cal

PROFESSIONAL CAREER

Full Stack Developer

Royal York Property Management | May 2020 - October 2020

- Led backend development to stay consistently ahead of schedule
- Independently learned the application's technologies in two weeks (React, Node, GraphQL, MySQL, Docker, AWS)
- Led a last-minute frontend app overhaul which involved writing over 8000 lines of production code in two weeks
- Frequently exceeded expectations by voluntarily working overtime to stay ahead of schedule and deliver as much as possible during the limited internship time
- Earned an extended contract to continue working part-time during school due to exceptional contributions
- Applied course concepts such as data structures, test-driven development, and algorithms to optimize code

Teaching Assistant (CISC 121 - Intro to Computing Science)

Queen's University | Sep 2020 - Dec 2020

- Provided office hours to teach students difficult course content
- Responsible for grading and providing feedback on tests and assignments for 34 students
- Directly mentoring 4 students to improve their performance in the course, all 4 increased their grades from low C's to B's or better

Team Lead

QMIND | Sep 2020 - present

- Spearheading the development of an attention detection system
- Planning and organizing team meetings, ensuring development is on track and team members are completing their tasks
- Providing technical vision and direction to the project
- Educating team members on AI concepts and implementation to complete tasks

ACADEMICS

Bachelor of Computing, Spec. Computer Science, AI Major

Queen's University | Sep 2019 - present

- 4.15 GPA
- Queen's University Excellence Scholarship Recipient and Dean's List
- Achieved an A+ in discrete math, cognitive science, linear algebra, calculus, statistics, and logic courses
- Developed an in-depth understanding of algorithms, data structures, complexity, test-driven development, through my studies and position as a teaching assistant

Machine Learning

Coursera | Jul 2020

- Independent interest course (online)
- Applied the theoretical concepts learned through projects for each topic
- Topics covered: linear and logistic regression, neural networks, SVMs, K-means clustering, PCA, anomaly detection, recommender systems, network machine learning, and analysis methods for evaluating algorithms

EVAN MELROSE

9 Tettenhall Road

Phone: 416-557-1404

Email: evan.melrose@Outlook.com

OBJECTIVE

With a keen sense of responsibility and willingness to be a diligent worker, I am in search of a working environment in which I can be of help, gain experience and work.

SUMMARY OF SKILLS

- ✓ Excellent interpersonal skills; able to work both individually and cooperative
 - ✓ Successful completion of National Lifeguard Training (2018)
 - ✓ Hard working and self directed
 - ✓ Able to make decisions in a high stress fast paced environments efficiently
 - ✓ Proficient technical capability in Microsoft Word, PowerPoint and Excel and Graphic design skills in Adobe Photoshop and Dreamweaver
 - ✓ Self-directed and able to take initiative; responsible to carry out tasks successfully
 - ✓ Solid organizational and analytical skills to complete duties precisely

EDUCATION

Queens University, Kingston
Bachelors of Computer Engineering 2019 – present

Canadian Securities Course 2020-present

Richview Collegiate Institute, Toronto 2014- 2019

ACHIEVEMENTS AND AWARDS

OSSD Cum Laude 2019

PAST WORK EXPERIENCE

Toronto Rotary Club Volunteer 2016 - 2019

West Dean park cleanup 2012-2015

Blythe Academy Student Representative 2019

Plant World Customer Service Representative 2017

INTERESTS

- ## ▪ Science ▪ Reading ▪ Sports ▪ Challenges ▪ Writing ▪ Business

REFERENCES

REFERENCES

Virginia.Woodall@blytheducation.com

Nicola Newell

nicola@plantworld.net

GEORGE TRIEU

trieugeorge@gmail.com — github.com/geotrieu — linkedin.com/in/georgetrieu/ — (647)-708-2416

SKILLS

| | |
|-----------------------------|-------------------------------------------------------------------------|
| Languages | C, JavaScript, TypeScript, Java, C#, Python |
| Frameworks and Tools | Node.js, Express.js, Vue.js, Knockout.js, React.js, Cucumber.js, Appium |
| Miscellaneous | Azure, AWS, GCP, Jenkins, Maven, MongoDB, MySQL, MQTT |

EDUCATION

| | |
|-----------------------------------------------------|-----------------------------|
| Queen's University | September 2019 - April 2023 |
| Bachelor of Applied Science in Computer Engineering | GPA 4.2/4.3 |

Relevant Courses: Data Structures & Algorithms, Data Analytics

- Awarded the *Schulich Leaders* scholarship, worth \$100,000 out of 300,000+ candidates
- Currently enrolled in the *Certificate in Business* program from the Smith School of Business

EXPERIENCE

| | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| Genesys | May 2020 - August 2020 |
| Software Developer Intern | Markham, ON |
| <ul style="list-style-type: none">· Developed single page application UIs using Vue.js and Knockout.js for the Speech and Text Analytics team· Worked with back-end recording and transcription services through public and internal endpoints· Developed Jenkins pipelines, and functional tests using Selenium and Java's TestNG framework | |
| Fleet Complete | |
| Automation Developer Intern | |

- July 2019 - August 2019
- Toronto, ON
- Developed test automation scripts using **Javascript**, **Cucumber.js**, and **Appium** to provide quality assurance for both web and mobile applications
 - Used RESTful APIs to create and verify test information against the expected application output
 - Collaborated on the software development lifecycle using Atlassian Tools in an Agile/Scrum work environment

PROJECTS

| | |
|-----------------------|-------------------------------------------------------------------------------------------|
| Macro Keyboard | github.com/geotrieu/macrokeyboard |
|-----------------------|-------------------------------------------------------------------------------------------|

- Designed a custom HID-compliant device that provides media and joystick controls
- Developed using the STM32 micro controller, using the **C** language

| | |
|-----------------|---------------------------------------------------------------------------------|
| Hydronez | github.com/geotrieu/hydronez |
|-----------------|---------------------------------------------------------------------------------|

- Architected a hardware device and software implementation that reminds users to take a sip of water through various sensors and a Google Chrome extension. Displays insights and trends through an online dashboard.
- Full-stack application using **C**, **React.js**, **Flask**, **PostgreSQL**, and **JavaScript**

| | |
|-------------------|-------------------------------------------------------------------------------------|
| PotholePal | github.com/geotrieu/potholepal |
|-------------------|-------------------------------------------------------------------------------------|

- Created a robot programmed in **C** which finds and reports potholes on roads using ultrasonic sensors
- Awarded 3rd place at UofTHacks VI out of 547 participants

| | |
|--------------|---------------------------------------------------------------------------|
| Chute | github.com/geotrieu/chute |
|--------------|---------------------------------------------------------------------------|

- Built a smart IoT trashcan that detects trash levels and reports usage statistics to an iOS application
- Implemented a lightweight messaging protocol (**MQTT**) to connect the trashcan and the iOS application
- Awarded 2nd place at ECHacks III out of 91 participants

CERTIFICATIONS

| | |
|-------------------------------------------------|---------------|
| Cisco Certified Network Associate (CCNA) | February 2020 |
|-------------------------------------------------|---------------|

- Experience with protocols such as OSPF, EIGRP, BGP, RIP, STP, VRRP, 802.1Q, 802.1X, etc

GRADY PALFREY

gradypalfrey@gmail.com | linkedin.com/in/gradypalfrey | github.com/gpbio10

OBJECTIVE

I am a self-driven and detail-oriented student currently completing my Computer Engineering degree at Queen's University. I have experience in programming languages C, Python, Java and JavaScript as well as experience in Machine Learning and Web Development. I am currently looking for a 2021 summer internship position in hopes of improving my programming, communication and teamwork skills.

EDUCATION

BACHELOR OF APPLIED SCIENCE

Computer Engineering at Queen's University | Expected Graduation 2023

- Classes in Object-Oriented Programming, Data Structures, Data Analytics, Computer Architecture
- Queen's Engineering Dean's Honour List

HIGH SCHOOL

West Vancouver Secondary School, West Vancouver | Graduated 2019

- International Baccalaureate Certificate

PROJECTS

SORTING VISUALIZER

- Sorting Visualizer built with JavaScript, P5.js library, HTML and CSS. Sorting algorithms include Bubble Sort, Quick Sort and Merge Sort.

TRADING ALGORITHM

- As a team, created an asset trading algorithm that uses Time Series Analysis and Natural Language Processing to determine when to buy and sell written in Python.

FUEL LEVEL SENSOR PROGRAMMING

- Installed and programmed flow sensor for the Queen's BAJA racing team. Used the Arduino programming language to communicate with a microcontroller to output fuel level and efficiency statistics.

PRESIDENTIAL ELECTION PREDICTION

- Data Analytics report focusing on experimenting and implementing the best machine learning algorithms to predict the winner of the presidential election. These models were based of word occurrences during presidential speeches.

CLASSIC GAME REMAKES

- Games including Flappy Bird, Snake and Pong recreated using the Pygame module in Python.

CLUBS AND EXPERIENCE

QUANTT | 09/2020 to Current

Queen's University | Kingston, Ontario

- *Queen's University Algorithmic Network and Trading Team* is a quantitative finance club that focuses on researching and developing algorithm trading techniques.

Han Weng

hanweng9@gmail.com | 647-575-0318 | github.com/Han-Weng | linkedin.com/in/hanweng

| | | |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| Education | Bachelor of Computer Science, Co-op Carleton University: Dean's List, GPA: 3.7/4 (A-), looking for 4 or 8 month co-op | 09/2019 - Present |
| Skills | Languages: C, C++, C#, Java, JavaScript , Python, TypeScript, Ruby, R Frameworks: Django, Express, Tensorflow, React.js , Socket.io, Graphql, Ruby on Rails, Technologies: MySQL/PostgreSQL, MongoDB, Git, Linux , OpenStack, Firebase, Heroku Concepts: Data Structures, Object Oriented Programming, Pointers, REST API | |
| Projects | Baking Blog Website - React.js <ul style="list-style-type: none">Created a well-designed frontend to showcase personal baking creations and experiencesImplemented React development principals such as components and props to ensure clean code and reusabilitySuccessfully deployed using Heroku Connect 4 - Express, Node, MongoDB <ul style="list-style-type: none">Designed and developed smooth frontend user experience and interface for registration, messaging, and sending invitations to other usersCreated a multiplayer online Connect 4 game with account logins and session caching with cookies using Express-sessionUsed Express framework to handle requests and routes for a more responsive interaction between server and clientsUsed socket.io to allow additional users to spectate live games and enable real-time chatting Starcraft Game Bot - Python <ul style="list-style-type: none">AI bot designed to play StarCraft 2, optimized algorithm to research technologies and upgrade buildings for maximum efficiencyAble to defend and attack opponents with an army of varying composition, all coordinating to form a successful attack | 12/2020 - Present 09/2020 - 12/2020 01/2019 - 03/2019 |
| Experience | Mentor Volunteer - Carleton Web Dev Club Hackathon <ul style="list-style-type: none">Mentored participants new to full-stack development to ensure completion of their projectsProvided participants with extra materials for further learning after the event Web Developer Volunteer - Carleton Computer Science Society <ul style="list-style-type: none">Worked with a team to design and develop the Discrete Math website and improved practice tests and review notes for studentsMet every month to discuss plans and tasks to do for the website Teaching Assistant - Kumon <ul style="list-style-type: none">Assisted high school students 1 on 1 with their school work and covering concepts from geometry to advanced functions to ensure their comprehensionCorrected homework and classwork with attention to detail promptly for students to review | 08/2020 - 08/2020 09/2020 - 12/2020 04/2016 - 09/2019 |

Hannah Faith Mandell

hfmandell@gmail.com / 540-589-2898 / Seattle, WA

Self-motivated and solution-oriented budding computer scientist. Working at the intersection of CS and modern environmental topics.
Passionate about data analysis & programs to facilitate a sustainable future.

 [hannahmandell](#)
 [hfmandell](#)
 [hanmandell](#)

EDUCATION

| | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| Pomona College - Bachelor of Arts, Computer Science. Chemistry minor. | Expected Graduation: 5/2023 |
| Relevant Coursework: Data Structures & Advanced Programming*, Linear Algebra*, Intro to Data Science*, GIS, Discrete Math & Functional Programming, Intro to CS in Python, Calculus III, Organic Chemistry, Oceanography, Intro to Enviro Analysis (*Spring 2021) | |
| Wakeland High School – Frisco, TX. National AP Scholar, Senior Class President. GPA: 4.0/4.0, ACT: 36, Rank: 7/500 | 2015 – 2019 |

SKILLS

| | | |
|--------------------------------------------|----------------------------------------------------|----------------------------------|
| Programming Python, Java, HTML, Coq | Data Science SQL, Tableau, R, Excel, GitHub | Language English, Spanish |
|--------------------------------------------|----------------------------------------------------|----------------------------------|

EXPERIENCE

| | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Data Analyst <i>Pomona College Sustainability Office</i> – Claremont, CA | 9/2020 – Present |
| <ul style="list-style-type: none">Input, analyze, and model sustainability-related data in Google Sheets and Tableau to build our annual Sustainability Report.Saved the college more than \$50,000 by pinpointing faulty water meter readings.Slashed data-entry time by 75% by overhauling data sheet configurations. | |
| Proxy System Modeling Research Assistant <i>Williams Marine Environmental Change Lab</i> – Claremont, CA | 10/2019 – Present |
| <ul style="list-style-type: none">Developing a Proxy System Model (PSM) to evaluate the drivers of skeletal delta-Oxygen18 in marine calcifiers by using NOAA temperature and salinity oceanic data.Produce, organize, interpret 10+ specimen plots and outputs weekly.Pinpointed the lack of correlation between salinity and temperature markings in the skeletal records of our specimens.Will be submitted to <i>Journal of Advances in Modeling Earth Systems</i> as a co-author in 2021. | |
| Environmental Chemistry Research Assistant <i>Pomona College Environmental Analysis Dept.</i> – Remote | 5/2020 – 8/2020 |
| <ul style="list-style-type: none">Summer research proposal awarded through written application. Selected out of hundreds of applicants.Delineated the 20 most relevant Tijuana River pollutants to test for by analyzing Mexican government data in Python.Remotely collaborated with bi-national team of health professionals and academics to construct a legal argument for better treatment of Tijuana's canal-dwelling homeless population. | |
| Strategic Partnerships & Outreach <i>Shine Technologies, LLC</i> – Claremont, CA | 1/2020 – 8/2020 |
| <ul style="list-style-type: none">Gathered 20 strong professional testimonies through extensive cold-emailing and calling for our grant submission.Developed branding and specs for a compact, solar generator to support homelessness, natural disasters, and refugee camps.Won \$175k in grant funding from U.S. Dept. of Energy's American Made Solar Challenge for this startup. | |

PROJECTS

| | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| Sports Data Analytics <i>The Tactician</i> | 1/2020 – Present |
| <ul style="list-style-type: none">Find, clean, and analyze sports data. Create interactive Tableau dashboards to drive articles and inform fans. | |
| Hackathon: COVID-19 Web App for In-Person Instruction (30-hour remote team challenge) | 11/2020 |
| <ul style="list-style-type: none">Designed a web app to manage an on-campus experience during COVID-19.Brainstormed the data collection process and developed backend Python data processing functions that generate hourly & daily traffic comparison data, as well as contract tracing insights. | |
| Chicago Energy Analysis | 10/2019 |
| <ul style="list-style-type: none">Discovered that Chicago high-rise multi-family buildings have better energy efficiency (kWh/sq ft) than their low-rise counterparts and that community income is not likely a strong predictor of personal energy usage in Chicago. | |

ORGANIZATIONS

| |
|-----------------------------------------------------------------------------------------------------------------------------------------|
| Claremont TidyTuesdays (12/2020 – Present) Weekly collaborative data science explorations in R using tidyTuesday datasets. |
| Claremont Tech 4 Good (9/2019 – Present) Bi-monthly debates on ethics, philosophy, & legality of modern computer science topics. |
| Collegiate Varsity Soccer (8/2019 – Present) NCAA DIII Final Four All-Tournament Team ('19), Newcomer of the Year |

HONORS

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Data Science Fellowship <i>Sense and Sustainability</i> | 1/2021 |
| Developing a comprehensive data science tutorial in R specifically for environmental scientists and students. | |
| Davey O'Brien Foundation High School Scholar Athlete Scholarship – Fort Worth, TX | 2/2019 |
| Selected among all north Texas high school students on the basis of scholastic achievements, community service, character, leadership & varsity sports participation. Accompanied by \$30,000 academic scholarship. | |
| Recognized at the Texas House of Representatives by Rep. Jared Patterson - Austin, TX | 2/2019 |
| On the grounds of being an outstanding Texas citizen. Scholastic and extra-curricular activities were considered. | |

Hannah Mescal

Cell/Text: (905)746-0892 | Email: hannahmescal77@gmail.com

Dedicated, reliable, and driven individual with strong leadership, academic, and problem-solving abilities. Value sustainability, organization, inclusion and personal accountability. My participation in a research-based co-op in the engineering physics department at McMaster and within my pursuit of a civil engineering degree have assisted me in attaining these skills. I hope to attend this conference because I have a passion to help the environment by creating and innovating more sustainable technologies.

Most Relevant Experience

Research Assistant, Engineering Physics Department, McMaster University **July to August 2018**

Analyzed images of “micelles” and other nanoparticles for photovoltaic cells as a high school summer co-op. Although there was a general formula to analyze the images, each one was unique and, therefore, creativity was required in modifying the process to ensure accurate results. Used critical thinking skills to fix the lab’s 3D printer.

Sustainable Pallet Covering Design, Queen's University **January to April 2020**

Worked as part of a team to designing a reusable, and therefore more sustainable cover for packing pallets to reduce the amount of plastic wrap coverings used and discarded by this industry.

Greywater Irrigation System Design, Queen's University **January to April 2020**
Worked as part of a team to design a greenhouse and create a model of a system that uses greywater and rainwater to water this garden autonomously.

Bishop Tonnos Robotics Team, Bishop Tonnos C.S.S., Ancaster ON **September 2017 – June 2019**
Used problem-solving skills while working as part of a team to build a robot to meet the challenges set up by “First Robotics”. Practice working as part of a design team.

Other Experience

Lifeguard/Swim Instructor, Kiwanis Boys and Girls Club, Hamilton ON February 2018 – March 2020

Maintain pool and inclusive environment, ensure patrons are safe while swimming, prepare for and clean up after swim lessons, teach swim lessons. Received letter of commendation from Hamilton Police Chief, Eric Girt, for lifeguarding April 30th, 2019.

STEM Class Instructor, Kiwanis Boys and Girls Club, Hamilton ON April to June 2020

Taught fun, interactive virtual STEM classes to 5-12 year olds including experiments children were able to complete at home.

Education

Queen's University, Applied Science in the Civil Department, Kingston ON **2019 – present**
Attained a 3.99 GPA (4.3 scale) to date with a full course load.

Other Skills

Proficient in “C” and Matlab. Open to learning other languages.

Hoi Kei Chloe Tam

London, Ontario, Canada | www.linkedin.com/in/chloe-tam/ | (647) 287-9664 | chloetam18@gmail.com

EDUCATION

University of Western Ontario
Bachelor of Arts, Psychology

London, Ontario

WORK EXPERIENCE

Goalden Hour (Startup)

Intern

Virtual Present

- Manage content databases to ensure product is ready for launch. Create social media campaigns to build an audience and promote community engagement
- Work closely with Co-Founder and web developer to perform various duties and responsibilities that management and product development may deem necessary
- Ability to be adaptable and work independently in a fast-paced and dynamic EdTech start-up environment while demonstrating strong organizational skills and flexibility when managing multiple priorities seamlessly

Resili (Startup)

Product Development Intern

Virtual Present

- Responsible for gathering, testing, implementing and communication for app update content
- Self-learnt how to code app user interface using JavaScript while delegating various tasks to members
- Successfully launched app update, demonstrating independence in project development

Psynamo Limited

Administrative Assistant Intern

Hong Kong July-August 2018

- Monitored supplies and replenished supplies when necessary
- Administered data on Excel and contributed to smooth business operations by ensuring all documents are filed correctly, managed external contacts for future business collaboration

LEADERSHIP EXPERIENCE

Western Women In Fitness

Finance Executive

London, Ontario Present

- Perform finance-related duties such as budgeting, process purchases and record, etc.
- Developed and established strong relationships with local businesses in London for sponsored
- Successful negotiation with merchandiser and suppliers, executed the packaging, pricing, promotion, and selling of club clothing merchandise to general members

Western Psychology Association

Outreach Coordinator

London, Ontario Present

- Research and cold email nonprofits and professionals through online platforms, thereafter maintaining work relationships to execute events
- Actively plan with members to develop new outreach efforts to gain club and event presence among students

AIESEC Western

Opportunity Global Volunteer Manager

London, Ontario Present

- Invested 10+ hours per week, completed 20 consultations and successfully sent participants on exchange abroad
- Organized logistics and run-down of information webinar and case competition
- Ability to articulate product to clients professionally and effectively, strengthened customer relationship management and generating successful solutions when in time constraints

SKILLS & INTERESTS

Language: English, Cantonese, Mandarin **Computer:** Microsoft Office, Excel, PowerPoint, Python (Basic)

Interests: Ultimate Frisbee, Volunteering, Hiking, Baking

EXTRACURRICULAR

- Women In Burgundy Assets Management (Western Chapter): Participated in monthly educational workshops to build up business acumen and financial literacy

Ilir Gusija

Family Home: 1784 Creekside St, London, ON, N5X 4L8

Student Home: 1-202 Johnson St, Kingston, ON, K7L 1Y1

519-6945617, 18ig8@queensu.ca

HIGHLIGHTS OF QUALIFICATIONS

- Two years of varied extracurricular involvement.
- Experience within Engineering Society as a First Year Project Coordinator and Secretary.

CAPABILITIES AND CREDENTIALS

- Ability to work while juggling various tasks.
- Ability to solve problems using sound professional judgment, creativity, and innovation.
- Effective written and verbal communication skills.
- Able to work under and meet tight project deadlines.
- Takes initiative on tasks and coordinates details with other team members.
- Eager to learn new skills, aided with strong listening, critical thinking and problem solving skills.

EXPERIENCE

Secretary

Oct 2020-Present

Engineering Society of Queens

The representative body for engineering students at Queens University. I am responsible for writing up the minutes at the bi-weekly council meetings.

- Prepare minute templates prior to meetings to go along with the meeting agenda.
- Attend meetings and summarise everything that is said by each member in an organized formatted document that is sent within a week to the Society's Director of Governance.

Workshop Coordinator

Oct 2020-Present

Queens Software Development Team (QSDC)

QSDC is a student-run club that holds workshops and events throughout the year based on Software Development related skills.

- Ensure the workshop experience is adequate for participants.
- Keep track of instructors.
- Order food for workshops.

Orientation Week Leader

Sept 2020-Present

Engineering Society of Queens University

A role also commonly known as FREC, with a team of 8 other FRECs I welcomed in 30 engineering students and led them through orientation week.

- Participated in daily Zoom sessions centered around orientation.
- Currently host sporadic zoom activities to keep involved with the first years.
- Help advise and educate about important matters such as discipline selection.

EXPERIENCE

- General Member** Oct 2020-Present
Queens Students for Systems Change (QSSC)
A club aiming to drive towards systemic change in areas contributing to global development. I am a member of the Global Engineering Portfolio.
- Act as a client for first year engineering students in a design course for several products focused on global development.
 - Attend proposal meetings prepared by these students and give feedback on project plans.
 - Attend bi-weekly forums hosted by the different portfolios each time, highlighting different world issues.

- First Year Project Coordinator** Oct 2019-Mar 2020
Engineering Society of Queens University
A role where I was assigned to a director that worked under the Engineering Society. I was tasked with a project related to that director's portfolio.
- Planned an event to showcase the progress of the Engineering Society's own design teams.
 - Booked and scheduled a venue.
 - Formulated and set out a budget.
 - Communicated with different design teams and faculty members to help coordinate the event.

EDUCATION

- Bachelor of Applied Science (BASc)** Sept 2019-Present
Applied Mathematics and Engineering: Computing and Communications
Queens University, Kingston, ON

CERTIFICATES

- First Aid and CPR-C
- WHMIS 2015 Certification

REFERENCES

- Available upon request

Inika Chikarmane

inika.chikarmane@queensu.ca | linkedin.com/in/inika | github.com/inika-c

Education

Bachelor of Computing (Honors) | Queen's University | ON, Canada | 2019 - 2023

Focus on AI. **cGPA: 4.23** on a 4.3 scale. *Completed:* Intro to CS I/II, OOP in Java, Linear Algebra, Calculus I/II, Discrete Math I/II, Logic. *Courses pre-Summer '21:* Data Structures, Computer Architecture, Software Specifications.

Experience

Incoming Explorer Intern | Microsoft | Redmond, WA | May 2021 – Aug 2021

Will spend my summer exploring both the roles of a **Project Manager** and a **Software Engineer** at Microsoft.

Product Intern | Arthify | Remote | Aug 2020 – Dec 2020 (in progress)

Technical documentation for a cloud-native enterprise product. React, GraphQL, microservices, containerized development, staging and production; code organization and coding standards, build and test automation, CI/CD.

Undergraduate Teaching Assistant | Queen's University | Remote | May 2020 – July 2020

Managed 30 students for introductory Python course. Answered questions, graded weekly assignment and quiz, facilitated discussions, gave feedback. Offered TA for advanced Python course and Statistics course for Fall 2020.

Owner | Fons India | Bangalore, India | Jun 2018 - Aug 2019

Founded a niche makeup business. Sold \$18,000 at a 45% gross margin. Solo entrepreneurial venture, profitable from inception to closure. Built website, managed social media, sourcing, customer service, packaging, logistics.

Skills

Technical: Python, Java, JavaScript, Docker, Git, Math | **Business:** Leadership, Marketing, Communication

Projects

Design Team Member | QMIND | Remote | October 2020 – Present

Chosen to be a part of Canada's largest AI organization. Working with a team to create AI solution for clients.

Side Projects | Miscellaneous | Remote | Jan 2020 – Present

- Development and publishing of one simple commercial and one non-profit **website using Webflow**
- **Python** program that **generates an acronym for study points** for easier memorisation
- **Twitter bot** using Python that replies to mentions with a funny insult, **hosted on AWS/EC2**
- Chrome extension for research allowing **highlight** and **export** of highlighted text with source attribution

Head | TEDxMAIS | Bangalore, India | Aug 2016 - Jan 2019

- **2018:** Sole Head leading 22 members. Developed strong leadership, organizational, communication skills.
- **2016 – 2017:** Social media manager, designed the logo, brochure, stage, invites, did video post-production.

Founder | Guts, Passion and Winning | Bangalore, India | Dec 2015 - Sep 2019

YouTube channel with entrepreneur interviews. Engaged tech founders, teased out stories of grit, challenges and insights. Research, cold calls, scheduling, storyboarding, follow-up, interviewing, video post-production.

Editor-in-Chief | The Scribe | Bangalore, India | Jun 2016 - May 2019

Started and ran the school magazine. Organized and managed a team of 10 to source, edit and produce content for both a print and an online version. Personally developed design layouts.

Research and Awards

Primary Author | Chronotopes of Hope | Bangalore, India | Jun 2017 - Apr 2018

Collaborated with WSU, Seattle professors on a **research paper** based on *Guts, Passion and Winning* above.

High School Valedictorian | Mallya Aditi International School | Bangalore, India | Mar 2019

REX Karamveer Fellowship | Indian Confederation of NGOs | New Delhi, India | Nov 2016

Isabella Carias

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• isabella-carias

• +1 873 353 8598

• Ottawa, ON

● technical projects

Northern solar-powered housing solution

- Championed the **design** of an innovative housing solution for a northern indigenous community that significantly **reduced reliance on fossil fuels** by **sourcing 38% of the annual load from renewables**
- Rendered a **regenerative** design by optimizing the structure's geometry and materiality, achieving up to **12% surplus solar energy at peak loads**
- Utilized EnergyPlus python libraries to **expedite** the energy modeling process

python EnergyPlus eQuest

Desktop blackjack application game

- Developed a **GUI** by creating and modifying a **gridpane** and optimizing the layout through an iterative process, focusing on aesthetic and **accessibility** in order to achieve **optimal UX design**
- Updated the **user interface** by listening to **EventHandlers** and **validating** user input, changing the view depending on what buttons the user pressed

OOP java

Research paper search engine

- Queried for specific research papers given a **user input** by writing **getter** functions that filtered data stored in **ArrayLists** and **HashMaps**, searching by author, title, conference, or a combination of keywords

OOP java

● work experience

WSP

Building Science Engineering Intern

5/2019 - 9/2019

- Communicated effectively with an **interdisciplinary team** to produce swift tailored fit solutions to an array of concurrent projects
- Performed efficient cursory **reviews** and **testing** with a team of consultants to determine **mitigation** measures to root problems within structures

BIM autoCAD sharepoint

● education

Carleton University

Bachelor of Computer Science

9/2021 - 12/2022

Bachelor of Civil Engineering | Computer Science Minor 9/2016 - 04/2021

- Relevant coursework:** discrete structures, numerical methods, statistical modelling, fundamentals of web applications, introduction to systems programming, abstract data types & algorithms

● languages & tools

python C/C++ java
matlab git minitab

● hackathons & events

Hack The North 2021
cuHacking 2021 CUSEC 2021
Girls Who Code Summit 2021
Rewriting The Code 2020

● ask me about

feed me pi
Founder & Mentor
Established a **mathematics mentorship** program designed to encourage visible minorities to pursue a career in STEM

Technolgap
Mental Health and Wellness Coordinator

Provided a **safe space & growth opportunities** for members of an organization comprised of 200+ womxn in tech

Engineers Without Borders
Director of Logistics

Facilitated chapter meetings with the purpose of spreading awareness about **climate change impact** and **SDGs**

blueEnergy
Global Leadership Programme Scholar

Engaged in the implementation of a **solar microgrid & water filtration** initiatives for secluded indigenous communities in Nicaragua

Education

Jacky Zhao

University of British Columbia
Expected Grad: 05/2023
GPA: 4.0

jzhao.xyz
github.com/jackyza0 linkedin.com/in/jackyzha0 j.zhao2k19@gmail.com

Bachelor of Science in Computer Science.

Received the Trek Excellence Scholarship 2020 (Top 5%) and the Dean of Science Scholarship in 2019 (Top 1%).

Experience

Software Engineering Intern

Hootsuite
05/2020-09/2020
07/2019-09/2019

Reduced mean time-to-acknowledge for alerts from hours to minutes by adding alerting and monitoring for key SLOs for several tier one services.

Implemented a proof of concept service mesh to break Scala monolith service into microservices. Proposal was added to the company technical roadmap for 2023.

Increased repository code coverage by **18%** by adding end-to-end frontend tests to paid and free signup flow.

Technologies: AWS, Grafana, Prometheus, Jenkins, Terraform, JavaScript, React, Jest, PHP, Scala, Go, SumoLogic, Docker

Open Source Contributor

BentoML
06/2020-present

Implemented heavily-requested CLI command to containerize BentoML machine learning models and reducing dependence on external tool workflows.

Reduced docker image size by **60%** to enable lighter deployments by building Debian-slim based Docker images for model server.

Created Helm chart allowing users to deploy the model storage component to a Kubernetes cluster with a single command rather than needing to follow an entire guide.

Selected as one of **144** fellows to be part of the inaugural class of MLH Fellows from a pool of **20,000** applicants.

Technologies: Docker, PyTest, Python, Kubernetes, Helm

HackCamp Logistics Director

nwPlus
09/2019-present

Lead a team of 4 in hosting HackCamp, a beginner-focused virtual hackathon, attracting over **900+** registrations, **500+** attendees, **3.2k+** livestream viewers, and **\$1200** in donations to charities.

Co-lead the creation of a publicly available [self-learning resources guidebook](#) for tech beginners.

Co-lead the development of our [hackathon portal](#) which aims to be a central information hub for hackers to do judging, relay announcements, and view the schedule. Handled **200k+** interactions on the site during HackCamp.

Technologies: GitBook, Firebase, React, Github Actions

Projects

ctrl-v

[github](https://github.com/jackyza0/ctrl-v.app)
ctrl-v.app

Built and launched an open-source platform to safely and conveniently share code snippets and source code. Currently serving over **200+** pastes with an accumulated **4k+** paste views.

Technologies: MongoDB, JavaScript, Go, React, Firebase Hosting, Google Cloud Run, Docker

reflect

[github](https://github.com/jackyza0/getreflect.app)
getreflect.app

Built and launched a digitally mindful website blocker that prompts users to reflect before visiting distracting sites. Currently has **750+** active users, **3.1k+** installs, and a **4.93** star rating on Chrome store.

Created intent classification ML model with an LSTM network which achieved **~86%** classification on our collected closed-beta data.

Technologies: TypeScript, Python, Keras, Tensorflow.js

readAR

[github](https://github.com/jackyza0/readAR)

Built an AR app to help those with learning disabilities by overlaying hard to read text with a dyslexic-friendly font and adds context-dependent word definitions and images using a custom BERT model for word sense disambiguation.

Awarded: Microsoft Hack for Social Good Prize at TreeHacks.

Technologies: PyTorch, Flask, Azure, Docker, Python

Jacob Zimmerman

Cognitive science; Software development; Data science & ML
izab2019@mymail.pomona.edu | jczimm.com | in/jczimm

EDUCATION

| | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| Pomona College , Claremont, CA — <i>Cognitive Science Candidate, '23</i> | 2020-Present |
| Cumulative GPA: 3.75 / 4.00 Notable Coursework: Linear Algebra, Statistical Linear Models(*), Intro. to Cognitive Science, Psychological Anthropology, Intro. to Linguistics(*), Sociology of Space and Time(*), Philosophy of Mind(*) (*ongoing coursework) | |
| Brown University , Providence, RI — <i>Computer Science, Cognitive Science Candidate, '23</i> | 2019-2020 |
| Final Cumulative GPA: 4.00 / 4.00 Notable Coursework: Experimental Analysis of Vision for Perception and Action, Intro. to Neuroscience, Human Cognition, Intro. to Discrete Structures & Probability, Computing as Done by Brains and Computers | |
| Phillips Exeter Academy , Exeter, NH — <i>Classical Diploma Recipient, '19</i> | 2015-2019 |
| Final Cumulative GPA: 10.11 / 11.00 Notable Awards and Honors: Caroline D. Bradley Scholarship recipient (4 yrs), Comp. Sci. Lower-Classman Award (2-time winner), Gavit Prize for Distinction in Classics, 1st Prize in Latin 511-531, National Hispanic Recognition Program (NHRP) Scholar | |

WORK EXPERIENCE

| | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
|  Data Science Intern , Nia Therapeutics , Remote | Summer 2020 |
| <ul style="list-style-type: none">• Built application-specific speech recognition software toolkit and pipeline on top of PocketSphinx engine• Collected original speech recordings & used manual tuning & hyperparameter search to optimize the pipeline• Created speech annotation validation program to accelerate tuning of ML-powered neuromodulation device | |
|  Research Assistant , A'ingae Language Documentation Project, Providence, RI | 2019-2020 |
| <ul style="list-style-type: none">• Advanced linguistic documentation of under-studied indigenous language, A'ingae, through linguistic analysis• Enriched and refined language corpus by translating and copy-editing language materials in English and Spanish• Led development of offline-first web-app to make our research accessible to all | |
|  Data Science Intern , Evergage, A Salesforce Company , Somerville, MA | Summer 2019, Winter Break 2020 |
| <ul style="list-style-type: none">• Conducted exploratory analyses of user-behavioral data and developed ML models• Designed & built visitor conversion-prediction solution using ML to drive individualized, targeted personalization• Designed & built ML-driven bot-detection system in collaboration with Senior Data Scientist• Wrote technical whitepaper & presented slides summarizing my work and its implications (available upon request) | |
| Solutions Engineering Intern | Summers 2016-2018 |
| <ul style="list-style-type: none">• Created custom pre- & post-sale implementations of personalization solutions for clients• Collaborated with team members to deliver on client requests and maintain active configurations• Developed software tools for internal use, including a custom ETL (extract-transform-load) tool | |

EXTRACURRICULAR PROJECTS

| | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  togather (WIP) <i>Creator</i> , Group video call platform for casual meet-ups; 2020-Present |  P-ai Projects (2) (p-ai.org) <i>Project Manager</i> , Two original AI/ML projects; 2020-Present |  Catalyst (bit.ly/catalystj) <i>Design, Writing Editor</i> , Science-inspired lit. arts journal; 2019-2020 |
|  Umbrarum (umbrarum.com) <i>Creator</i> , Classical languages study platform; 2018 |  MVMNT Mag (mvementmag.com) <i>Co-founder, Head. Digital, Design</i> , Indep. activist mag.; 2016-2020 |  raudio (raudio.jczimm.com) <i>Creator</i> , Pure music curation tool; 2016 |

OTHER INTERESTS & SKILLS

- [Music Production](#), DJing (hosted [my own radio show](#)), [Writing](#), Visual Arts, Ultimate Frisbee
- Languages: **English** (native speaker), **Spanish** (heritage speaker), Latin, Ancient Greek & Turkish (student)
- Programming: Python, R, Java, Go, SQL, JavaScript, HTML, CSS, Shell, Perl; Git, Node, TypeScript, React, Vue

JAI PRAJAPATI



j2prajap@uwaterloo.ca



289-218-8046



JAI17



JAIP



JAI-PRAJAPATI

TECHNICAL SKILLS

Native Speaker: C, C++, Python

Proficient: Java, C#, MATLAB, ROS

Curious Tourist: JavaScript, Go, OpenCV

Tools: Git, Linux, Jira, Jenkins, TestStand

EDUCATION

University of Waterloo

2019 - 2024

Mechatronics Engineering | BASc

4.0 GPA | Dean's Honours List

Activities: Waterloop, UWAFT

EXPERIENCE

Software Engineering Intern - Arxtron Technologies

Mississauga, ON | SEP - DEC 2020

- Developed an embedded control system with backend libraries in C/C++, and implemented in TestStand for an ECU unit testing station consisting of device bays, a conveyor, and an ABB robotic arm for moving units
- Iterated state estimation architecture with sensor noise filters (FIR/IIR) into a modular software package for synchronous task management and communication using CAN, TCP/IP, Serial and NI Data Acquisition devices
- Improved a machine vision system in LabVIEW using NI Vision and GigE cameras for rapid identification and inspection of devices under test, reducing human interaction and decreasing cycle times by 35% to meet client requirements
- Performed testing and validation on projects before customer delivery, by identifying and resolving edge cases in production use, and developing automated debugging tests to ensure software robustness
- Scripted in shell and Python to automate routine tasks for software version control, utilizing the GitHub REST API

Manufacturing Software Development Intern - Ford

Waterloo, ON | JAN - APR 2020

- Designed automated test cases in Python for ECU (Telemetry, Gateway, HMI) software loading and hardware verification using NumPy, pandas, CAN, and Automotive Ethernet, eliminating the need for manual verification reports
- Developed and implemented unit tests through TestStand and C++ to verify software and hardware functionality of components, decreasing post-production and monitoring run times through improved memory management
- Implemented instrument libraries and a serial port logger in C# to interface with hardware peripherals (HMI display and power supply) used in development lab testing
- Tracked and investigated issues in Jira, tested software builds in Jenkins, and ran daily test passes on R&D stations

Connected and Autonomous Vehicles Co-Lead - UW EcocAR

Waterloo, ON | SEP 2020 - Present

- Developed a sensor fusion algorithm utilizing Kalman filters to process data from a Mobileye camera and Bosch radars for the purpose of tracking objects using ROS C++ and Python in Linux
- Implemented architecture for autonomous vehicle simulator using Unreal Engine for SIL testing of the autonomy stack
- Streamlined testing of sensor fusion algorithms by simulating real-time sensor output for ROS and writing a data clustering algorithm for synthetic vehicle sensor data in MATLAB

PROJECTS

Robot Navigation Simulator

SEP 2020 - PRESENT

- Developed libraries in C++ to generate paths and motion profiled trajectories for robotic drivetrain applications
- Utilized Quintic Hermite splines to approximate drive paths to waypoints and s-curve motion profiling for trajectory kinematics
- Developing an application in Unity to visualize parameter turning and simulation of real-time control which uses a finite state machine model with a PID controller and Pure-Pursuit path following algorithm

Automated Box Palletizer

OCT - DEC 2019

- Built a 3-axis arm capable of autonomously sorting boxes of varying sizes from a moving conveyor onto a pallet
- Designed parts and sub-assemblies in Inventor and SolidWorks, and manufactured on a laser cutter and CNC mill
- Developed a polygon edge detection program using OpenCV in C++ to dimension boxes with input from a live video feed
- Built a vectored 3D space visualizer, allowing for point input into a custom PID controller for position control

TheoryVision - Computer Vision Android App

JAN - JUL 2019

- Developed an Android app to perform target and object detection, and calculate position relative to the mapped environment
- Used OpenCV libraries to apply thresholding and canny edge detection, with parameter tuning performed through UI controls
- Utilized UDP/TCP networking protocols to relay processed coordinate data and video streams to a roboRIO processor

JAKE ADAIR

Adairj0507@gmail.com | 613-328-9239 | <https://www.linkedin.com/in/jake-adair/>

EDUCATION

Bachelor of Commerce, Smith School of Business, Queen's University, Kingston, ON 2019 – Present

- **Academics:** Recipient of Queen's Excellence Scholarship, valued at \$3,000, granted to students with an incoming academic average over 93%
- **Relevant Courses:** Managerial Economics (A+), Calculus (A-), Marketing 1 (A), Management Accounting (A-)

Ontario Secondary School Diploma, Frontenac Secondary School, Kingston, ON 2014 – 2018

- **Awards:** Academic Honor Award, recipient each year from 2015 to 2019 for academic achievement; Jim Smith award (2018), granted to top senior athlete in a sport outside school setting; Citizenship award (2014), given to graduating student community minded, positive role model to peers, demonstrates responsibility and politeness; grade 12 average of 93%

PROFESSIONAL EXPERIENCE

Sailing Manager, Kingston Yacht Club, Kingston ON May 2020 – Aug 2020

- Hired and managed a team of employees
- Designed a new innovative way to learn sailing through an Online Sailing Academy
- Developed marketing strategies, including email marketing campaigns and flows
- Created a social media marketing plan for products and services

Project Manager, The Lease Genius, Kingston ON June 2020 – Present

- Recruited and managed a team of 5 employees
- Prospected high potential clients throughout the student housing market
- Researched and analyzed the local real estate market to meet customers housing needs

Volunteer and Lead Fundraiser, OLA Children's Project, Puerto Plata, Dominican Republic 2014 – 2015

- Administered collection of new and used sports equipment
- Planned the distribution of equipment through the Puerto Plata community

Peer tutor, Frontenac Secondary School, Kingston, ON 2017

- Tutored and mentored grade 9 students with high needs
- Implemented various strategic initiatives to positively influence younger students
- Acquired skills in peer to peer communication and personal growth

EXTRACURRICULAR EXPERIENCE

Trained with the Canadian National Sailing Team, Member, Kingston, ON 2018 – 2019

- 2 X National Champion
- Trained with the National Team
- Approved provincially carded athlete from the Quest for Gold program
- Competed in World Championship in Risør Norway

Hightschool Cross Country, Frontenac Secondary School, Kingston, ON 2014-2017

- 3 time OFSSA participant
- 4 time KASSA Champions
- 4 time EOSSA Champions

Hightschool Volleyball Co-Captain, Frontenac Secondary School, Kingston, ON 2015-2017

ADDITIONAL INFORMATION

- **Awards:** Awarded top regional Soccer team member (2015), Hans Fogh Award recipient (2018) - Top Ontario under 21 Sailor
- **Athletics:** Represented Team Ontario at the Canada Summer Games (2017); placed 2nd
- **Technology:** Advanced Microsoft Excel, PowerPoint, and Word; Stock trader and investor
- **International Experience:** Increased cultural awareness by living in various countries for extended periods of time due to sailing objectives

JESSICA LI

 Toronto, ON / Kingston, ON

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 jessicaa-li.github.io

 linkedin.com/in/jessica-a-li

 github.com/jessicaa-li

EDUCATION

QUEEN'S UNIVERSITY

Kingston, ON
Sept. 2019 - Apr. 2023

Bachelor's of Computing (Honours) - Software Design

- Dean's Honour List, cGPA of 4.2/4.3
- Relevant Coursework: Introduction to Computing Science I & II, (Object-Oriented Programming, Algorithms, Data Structures), System-Level Programming (Shells, Scripting), Discrete Math for Computing I & II, Introduction to Statistics

SKILLS

Languages:

- Java
- Python
- HTML
- CSS
- Javascript
- C
- Bash

Technologies:

- Django
- React
- Git/Github
- Tensorflow
- Docker
- Google Cloud
- Figma

EXTRACURRICULARS

- Computing Students' Association:
 - Peer-to-Peer Mentor
 - Mentorship Coordinator
- Teaching Assistant for Discrete Math I
- InQUBate Cohort Member
- Chinese Conversation Club Member
- Canadian Undergraduate Technology Conference (CUTC) National Campus Activation Ambassador

INTERESTS

Web Dev & Design

Travelling

Artificial Intelligence

Skiing

Video Games

Music

Cooking & Baking

Crochet

PROJECTS

HEALTH HANGOUTS

Aug. 2020 - Present

- Developed a **web application** to help seniors stay connected during the COVID-19 pandemic
- Worked with two other developers, using **HTML/CSS** frontend and **Python (Django)** backend
- Implemented user registration and login, an admin interface, and the functionality to upload content

JOURNEY - github.com/mkeving/journey

Nov. 2020

- Worked with three other developers during the virtual hackathon hackHer to develop a web application to help users track their mental health through writing journal entries
- Built using **React, CSS, Express.js, Firebase**, and the **Google Natural Language API**, to identify the sentiment of the user's entry and track their mood
- Awarded "**Most Innovative Project**" for "creating an innovative solution towards the case statement" out of **over 200 participants**

VIBE CARE - github.com/jessicaa-li/vibecare

Feb. 2020

- Developed a healthy habits tracker with a rewards system to motivate the user to log their habits daily
- Coded in Processing, a **Java** sketchbook framework
- Built the store and rewards functionality

EXPERIENCE

INQUBATE TEAM MEMBER

Aug. 2020 - Present

- Working with a team of three others to develop our own AI startup, EnergAlze, aimed at helping businesses transition to green energy alternatives
- Using technologies such as **Tensorflow** while also exploring entrepreneurship and project management
- Pitching our startup ideas to inQUBate advisors and executives bi-weekly

CODING INSTRUCTOR

May 2020 - Aug. 2020

Code Ninjas

- Taught daily coding classes in **Lua, Python**, and **Pygame** to groups of up to **15 students**
- Converted in-person curriculum to an interactive, online format by redesigning coding courses
- Ensured students were engaged and understanding the material

JESSIE WU

 jessie.wu223@gmail.com
 (647) 936-2312
 linkedin.com/in/wu-jessie/
 github.com/jessie-wu22

SKILLS

Languages: Python, Java, JavaScript, HTML, CSS

Libraries & Frameworks: React.js, Express, Node.js, Flask, pandas, Selenium

Software Tools: Microsoft Excel, Figma, Git, Google Cloud APIs

EDUCATION

Bachelor of Science, Honors Specialization in Computer Science

September 2019 – April 2023 (expected)

University of Western Ontario, London, Ontario

- Granted Ivey Business School Honors Business Administration (HBA) Advanced Entry Opportunity (Top 8%)
- Awarded \$10,000 Continuing Admission Scholarship for achieving a 95%+ average in high school

PROFESSIONAL EXPERIENCE

Growth Intern | Clearbanc

September 2020 – Present | Toronto, ON

- Leading development of experimental product's features and user flow using **game design and humanized design**
- Optimized outbound marketing effectiveness by processing information of **over 200k leads** with pandas and Node.js

Developer Intern | OnSched

June 2020 – September 2020 | Toronto, ON

- Boosted lead conversion by developing demo web applications with JavaScript/HTML/CSS/Node.js to showcase the OnSched booking API, all while using the agile software development methodology with a team of three developers
- Re-built the complex, **25-page public website to double online traffic** with Figma and WordPress
- Decreased customer technical support workload by 48%** by creating **Appcues** onboarding process for the dashboard

Vice President of Operations | Women in Technology Society (WITS)

May 2020 - Present | London, ON

- Spearheading the planning of SheHacks V, a **36-hour hackathon** for over **700 female students across Canada**
- Helped animate and develop SheHacks website, oversaw UI/UX design of WITS website to boost club visibility

Barista Trainer | Starbucks Canada

August 2018 – August 2019 | Richmond Hill, ON

- Boosted store profitability by 15%** by computerizing and refining inventory management using Excel
- Formulated **3 customized training plans** for new baristas during a period of employee shortage to improve efficiency

PROJECTS

Karbon | Product and Front-End Lead, Co-Founder

July 2020 - Present

- Conceived end-to-end features for 'Karbon,' a chrome extension that displays CO2 emissions of food items and provides offset opportunities for online grocery shoppers, built with **JavaScript, HTML/CSS, Node.js, and PostgreSQL**
- Implemented the front-end development and built a **REST API** back-end to manipulate and access CO2 database
- Utilizing **\$1000 Tech Under 20 Fellowship grant** to conduct customer product testing to optimize UX

Align | StarterHacks 2020 Team Project

February 2020

- Constructed **user flow wireframes** through drafting detailed user stories for 'Align,' a machine learning web application that monitors and corrects user posture, and collaborated with engineers to adjust product features
- Integrated **open-source JavaScript library** to set up live motion-tracking of user's head movement with coordinates

TESS | COO and Co-Founder

March 2018 - August 2018

- Established the business model and marketing strategy for TESS, a compost bin startup for urban dwellers
- Acquired a **\$3000 Ontario Summer Company grant** to conduct client research and launch a **minimum viable product**

LEADERSHIP & AWARDS

Awards: 1st Place Microsoft Catalyze Consulting Competition 2020, 1st Place Hack Western Best Hack for Canada Revenue Agency 2020, 2nd Place National HOSA Sciences Competition 2018, 1st Place Y2 Entrepreneurship Conference 2018, Level 9 Royal Conservatory of Music Violin Completion with First Class Honours 2015

Activities and Interests: W5 Entrepreneurship Association, Western Ivey Business School Blog Co-Editor, SHAD STEAM Fellow, the art of coffee, national parks, digital health, and financial technology

Jill Bennett

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WORK EXPERIENCE

CompNeurosci Lab, Kingston — *Undergraduate Thesis*

September 2020 - PRESENT

- Currently working under supervisor Dr. Gunnar Blohm, researching the applications of a liquid state machine (LSM) in models of human motor control

Royal Military College of Canada, Kingston — *Research Assistant*

MAY - AUGUST 2019, MAY - AUGUST 2020

- Performed careful analysis on hundreds of stellar spectra for the MiMeS survey of magnetism in massive stars, led by Dr. Gregg Wade
- Presented my work and results at the 2020 MOBSTER-1 online conference, and contributed to a forthcoming publication

EDUCATION

Queen's University, Kingston — *BScH, Physics*

SEPTEMBER 2017 - PRESENT

Cumulative GPA: 4.12 / 4.3

Projected date of graduation: July 2021

VOLUNTEER EXPERIENCE

Queen's Machine Intelligence and Neuroevolution Design (QMIND) — *Team Member*

SEPTEMBER 2020 - PRESENT

- Working with a group to create a tool supporting communication for individuals with autism
- Exploring natural language processing and machine learning as applied to online communication

SEPTEMBER 2018 - APRIL 2019

- Worked independently to build a program capable of accurately labeling any song as 'happy' or 'sad'
- Collaborated on a program which accepts an image, and generates an original piece of music that is inspired by the image

QUALIFICATIONS/SKILLS

Multiple years of research experience.

Proficient in Microsoft Excel and Google Sheets.

Extensive experience coding in Python.

Experience with machine learning methods.

Organized and detail-oriented.

Strong mathematical and problem solving abilities.

Strong interpersonal skills.

AWARDS

Queen's Chernoff Award recipient 2017, 2018, 2019.

NSERC Undergraduate Summer Research Award recipient 2019/2020.

Dean's Honour List 2017/18 and (with distinction) 2018/19.

Governor General's Academic Medal recipient 2017.

DELF level B1 certified French fluency 2016.

JOHANN SUAREZ

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OBJECTIVE

Computer Science student optimizing to understand and ultimately provide what his local community needs.

EDUCATION

Bachelor of Computer Science, Vancouver Island University [3.7 GPA]

2019 - 2023

SKILLS

Technical Skills: Programming, Digital Media Production, IoT, OSINT

Soft Skills: Agreeableness, Creativity, Listener, Willingness to Learn

EXPERIENCE

Sales Associate

Nov 2018 - Nov 2019

Hudson's Bay Company

Nanaimo, BC

- Sold over 50 Hudson's Bay Mastercards
- Prevented around 20 shoplifting incidents by coordinating with Asset Protection.
- Assisted customers in selecting dress shirts and suits for special occasions.

Barista

Sept 2018 - Nov 2018

Blenz Coffee

Nanaimo, BC

- Prepared coffee and tea for customers.
- Restocked supplies and ingredients weekly.
- Maintained workplace sanitation and observed food safety procedures.

PROJECTS

Chroma Blend - A Python project to circumvent Satoshi Iizuka's Deep Remaster limitation. Part of a greater endeavor to restore historical films and images.

Face Tracking Camera - A servo mounted webcam that tilts and pans to focus on a subject's face.

AWARDS

- **Oceanside Rotary Award** - For Outstanding Achievement
- **Roger Prior Entrance Scholarship** - For Outstanding Achievement

LEADERSHIP

- Toastmasters Member (September 2020)
- Red Cross Youth President (2014-2015)

John Cameron

jcamer68@uwo.ca | <https://www.linkedin.com/in/john-cameron1/> | (647)-984-4188

EDUCATION

Western University – GPA 4.00/4.00 (94.9%)

Sep 2019 – Apr 2023

Software Engineering with Advanced Entry Opportunity to Ivey Business School

- **Awards:** \$10,000 Admission Scholarship, \$1,500 from Ontario Professional Engineer Foundation

WORK EXPERIENCE

Incoming Business Analyst – RBC Amplify: Toronto, ON

Starting May 2021

Data Analyst – Diem The App: Toronto, ON

Jun 2020 – Aug 2020

- Designed Excel models using PivotTables, V/HLOOKUPs, and other advanced functionalities to detect relevant trends spanning from customer acquisition to retention, helping optimize marketing spend
- Utilized Machine Learning methods (Association Rule Learning) to detect relevant trends in service usage
- Created HTML/CSS templates for Automated Emails (Customer.io) to 'power users' based on preceding analysis
- Identified new market segments based on data findings, helping drive strategy and growth

Business Analyst – Lavender: Remote (New York City)

May 2020 – Aug 2020

- Used Mixpanel analytics to generate insights and understand customer activity through interactive dashboards
- Performed competitive analysis by web scraping relevant information from direct competitors via Twitter
- Built in-depth Excel analyses for Sales team, with a focus on SaaS utilization trends across various industries
- Collaborated with Finance team to create thorough financial forecasting models

Product Team – Concis: Remote (India)

Apr 2020 – Jul 2020

- Analyzed market research reports across a number of sectors ranging from FinTech to AI, with a focus on summarizing concepts and drawing out key takeaways for use in Venture Capital and Private Equity
- Communicated pertinent information through written report summaries, audio recordings, and slide decks

Research Analyst – MSAM Laboratory, Waterloo University: Waterloo, ON

Jul 2019 – Aug 2019

- Began optical scanning for prototype that was to be used for topology optimization
- Analyzed and compared various fume extractors for FDM (3-D) printers through cost-benefit analyses
- Used Computer-Aided Design (CAD) to create and source parts for FDM (3-D) printer enclosures, with a primary focus on maximizing particle airflow efficiency in order to reduce hazardous fumes

Basketball Head Coach – York University, Glendon Campus: Toronto, ON

Jul 2017 – Aug 2017

- Planned and led weekly activities with a focus on improving the skill set and athletic capabilities of campers, providing in-depth feedback and working individually to build their confidence both on and off the court

EXTRACURRICULAR EXPERIENCE

Design Thinking Program Cohort Member – RBC: London, ON

Jan 2021 – Present

- Selected to take part in RBC's inaugural Design Thinking Program in partnership with the Western AI fund

Director of Education – Western AI: London, ON

Jul 2020 – Present

- Designed and lead course content creation for the AI & Business stream of educational
- Planned Peer-to-Peer learning sessions, curating and presenting real-life case studies involving AI technologies
- Began Tech Tidbits, a newsletter sent to 400+ readers analyzing the implications of AI trends across industries

Senior Research Analyst – Ivey Business Review: London, ON

May 2020 – Present

- Evaluate corporate strategy, conduct research, and fact-check articles ranging from the viability of an Oculus VR E-Learning pivot, to repositioning Simon Property Group's business model as it pertains to experiential retail trends

Pro-Bono Consultant – Ivey Fintech: London, ON

Sep 2020 – Dec 2020

- Analyzed competitive landscape and customer journey for *Flexiti Financial*, building in-depth Figma prototypes for a potential mobile consumer app, and providing high-level recommendations to optimize UI/UX

ADDITIONAL INFORMATION

Skills: Languages – Python, SQL, Java, JavaScript, CSS/HTML | Design – Figma | Excel – Analysis, Forecasting

Achievements: 2nd at Western Engineering Competition | 2nd at QCBT Hackathon | 2x DECA Top 10 Internationally

Athletics: 3x Division 1 Basketball (Ranked 5th provincially), 2x Division 1 All-Star

Interests/Hobbies: Basketball, Table Tennis, Hiking, Reading & Podcasts, Cooking

Jonathan Li

li.jonathann@gmail.com | (416) 728-4567 | <https://www.linkedin.com/in/jonathanli3386/>

EDUCATION

| | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| University of Western Ontario, Ivey Business School <i>Honors Specialization in Computer Science & Honors of Business Administration</i> | London, ON 2019-2024 |
| <ul style="list-style-type: none">• Currently on the Dean's Honor List, with a cumulative average of 91.4%• Western Scholarship of Excellence (\$2,000) | |

Coursework

- Extensive classroom experience in Java, Python and OOP principles
- Familiarity with UNIX in systems programming course
- Taken classes in Computer Logic; Data Structures and Algorithms; and Systems Programming
- Other classes include Calculus, Linear Algebra, and Statistics

LEADERSHIP EXPERIENCE

| | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| Phi Gamma Delta <i>Scholarship Chairman</i> | London, ON 2020 |
| <ul style="list-style-type: none">• Built a room-booking bot (Python + Selenium), securing study spaces for our chapter during exams• Collected and organized grades of over 50 members | |

| | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| Ontario Educational Leadership Centre <i>Youth Facilitator</i> | Orillia, ON Summer 2018 & 2019 |
| <ul style="list-style-type: none">• Mentored students through a weeklong leadership camp• Collaborated with our team of facilitators to run engaging leadership sports activities• Developed young leaders by encouraging them to participate and contribute to their schools• Ran inclusive discussions where issues like bullying and mental health were discussed safely | |

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| The Woodlands School <i>Varsity Girls Volleyball Coach, Captain of Boys Volleyball</i> | Mississauga, ON Fall 2017 & 2018 |
| <ul style="list-style-type: none">• Coached the team in my senior years of high school• Ran 3 weekly practices designed to improve individual skillset and teamwork• Applied advanced coaching techniques by reconnecting with my coaches | |

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| Prefects Charity Organization <i>Group Head</i> | Mississauga, ON 2017-2019 |
| <ul style="list-style-type: none">• Led 4 charity events that raised over \$30,000 for Terry Fox and The Centre for Mental Health• Enhanced the school community by running Mental Health Awareness Week | |

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JOSHUA OTTEN

SUMMARY 2nd-year Computing student eager to apply knowledge of programming and AI to achieve research goals. Dedicated to working hard to make positive contributions.

EDUCATION **BACHELOR'S DEGREE IN COMPUTING**

Queen's University, Kingston ON

Sept. 2019 - Current

QMIND DESIGN MEMBER

QMIND AI design group, Queen's University, Kingston ON

Sept. 2020 – Current

- Creating AI for autonomously driving robots using ROS, Gazebo, and Python
 - Lane detection and following, steering.
-

SKILLS/KNOWLEDGE

- Python programming skills gained both in and outside of class
 - Experience developing AI, including creating neural networks with Keras and TensorFlow
 - Strongly self-motivated, especially in technology/science related fields
 - Enthusiastic about trying and learning new skills
 - Adaptable to any sort of task
-

WORK/VOLUNTEER HISTORY

WEB DESIGNER - QUEENS GENOMICS LAB AT ONGWANADA (QGLO)

Jan 2020 – Feb 2020

- Designed current website (qglo.ca)

ARDUINO DEVELOPMENT

- Software design and support
 - Developed wireless remote-control solutions for greenhouse control systems.
-

Justin Bellavance

520 Louis Toscano

Ottawa, Ontario, K4A 0A8

613-266-1460, justin.bellavance@gmail.com

EDUCATION

Neuroscience and Mental Health, Co-op Option

September 2019-Present

Minor in Computer Science

Carleton University, Ottawa, ON

- Second year Standing, 10.62/12
- Entrance Scholarship (2019), Dean's List (2020)
- Expected Graduation: April 2023

VOLUNTEER EXPERIENCE/ EXTRA-CURRICULAR ACTIVITIES

Assistant Researcher

Summer 2020- Summer 2021

NICER Lab, Carleton University, Ottawa, Ontario

- Analyze and synthesize published research data for presentation to researchers ensuring understanding of data by whole team, leading to comprehension of research to for later use
- Attend team meetings while taking minutes of meeting, ensuring all important aspects of meeting were acknowledged and written down
- Support the lead researcher by staying flexible and showing mastery of a wide-variety of tasks involving Excel, PowerPoint, Word and other software programs.

VP Development / Business Analyst (Executive Team)

2020-Present

Carleton Artificial Intelligence Society, Ottawa, Ontario

- Hold and attend weekly virtual meetings with executive team while communicating new ideas and projects, contributing to the club's development and progress
- Design and create many aesthetically pleasing and clear PowerPoint presentations to present to potential sponsors, communicating our needs and their wants, producing more monetary sponsorships for the club
- Communicate with potential sponsors and stakeholders, meeting their diverse needs, leading to rewarding transactions for both parties
- Construct new club website in a team setting, sharing possible ideas, and contributing to the website design which lead to the club's first official public website

WORK EXPERIENCE

Banquet Server/ Bartender

October 2019- Present

National Arts Centre, Ottawa, Ontario

- Show a strong sense of initiative and independence when setting up rooms for different events and collaborating with the team, resulting in quality rooms and efficient events
- Demonstrate a necessary sense of maturity and communication skills when welcoming and serving various high-profile guests throughout the shift, maintaining a formal and well-kept image for the NAC

Kareem Olatinwo

567 Windfields Farm Dr. W.
Oshawa, ON. L1L 0L6

647-779-5733
kareemolatinwo@gmail.com

Skills

- Excellent oral and written communication skills, critical analysis, problem-solving and multi-tasking skills
- Experience with SAP, Visual Basic, Access Database, Java, C++, and Python
- Experience in high intensity, client-focused roles, requiring individual initiative

Education

Bachelor of Commerce, University of Ontario Institute of Technology *2019 – present*

- Major in Technology Management (President's List)
- Courses with SAP: Information Systems; Business Simulation; Operations Management

Business Management Diploma, Canadian Business College *2018 – 2019*

- **Courses Included:** Accounting (SAGE 300, Quickbooks, ACCPAC), Business Communications, Marketing, e-Commerce, Professional Sales
- 1st Place Winner, Ryerson Social xCHANGE *2017*

Work Experience

Office Coordinator, Markham Arts Council *Jul. 2016 - Aug. 2016*

- Administered clerical tasks, managed the delivery of timely engagements (ex. scheduling appointments) via telephone and e-mail
- Directed online web-content and maintained interactions on blog, website, and social media
- Developed and maintained relationships with board members, customers, and clients
- Engaged customers and clients to creatively solve inquiries and promote membership sales
- Maintained information filing systems, accounting records and sustained active reporting

Chief Executive Officer, LIVRE (A Junior Achievement Company) *Sep. 2014 – Aug. 2016*

- Directed company objectives, delegated tasks, and guided a team of youth entrepreneurs
- Managed strategic goals and executive team performance through KPI
- Achieved President of the Year Award (2016) and Next Generations' Leader Award (2015) from JACO

Outreach Director, Power Unit Youth Organization: Paint-A-Thon Project *Dec. 2014 – Aug. 2015*

- Identified, promoted, and explored synergies with local partners, NGO's, and the City of Markham
- Managed outreach team responsible for obtaining sponsorship and building community partnerships
- Developed creative outreach package consisting of funding proposals on behalf of our beneficiary

Volunteer and Leadership Experience

Literary Coordinator, Markham Teen Arts Council *May 2015 – Jul. 2016*

- Planned, revised, and published material for the MTAC online blog and spoke publicly at events
- Executed and judged the writing and poetry competition (Word-Up 2015)
- Developed and managed youth strategies for International Festival of Authors Markham 2015
- Hired, trained, and supervised over 30 youth volunteers to assist with the event

Chairman, YMCA Youth Advisory Council *Sep. 2014 – May 2016*

- Presided over a team of 7 youth leaders in developing innovative programs and events for youth
- Oversaw identifying and reporting active community development opportunities to administrators

Counsellor, Summer Institute Day Camp *Jun. 2012 – Jul. 2012*

- Facilitated workshops and supervised elementary school students in their daily activities

KAVIN ZHU

7 Carat Crescent, Richmond Hill, Ontario, Canada
647-212-6658 ◊ 18kz44@queensu.ca

EDUCATION

Queen's University

Candidate for Honours Bachelors in Computer Science (B.cmpH)
Queen's Excellence Scholarship and Dean's Honour List
Cumulative G.P.A: 3.93/4.3

2019 - 2023 (Expected)

Kingston, Canada

Richmond Hill High School

Ontario Secondary School Diploma (OSSD)
Olympiads School (2015 - 2019)

September 2015 - July 2019

Richmond Hill, Canada

SKILLS

Languages

Python, Java, Bash, C, JavaScript, HTML/CSS

Software & Tools

Git/Github, QuantConnect, Linux, Node.JS, MongoDB, Knime, MS Office

Relevant Courses

Introduction to CS 2 (Java/OOP), System-Level Programming (C/Bash)

Frameworks/Libraries:

React.JS, Vue.JS, Pandas, NumPy, Scikit-learn, JavaFX

PROJECTS

GUI Grade Calculator application

Java & JavaFX

- Used object orientated programming principles in addition to lambda expressions, event handlers, SceneBuilder, and FXML to create a Java and JavaFX GUI calculator application.

2D Zombie Action Game

Java

- Used key object oriented principles such as inheritance, encapsulation, polymorphism, and generics for entities, projectile movement, virtual camera systems, structure bulding, and collision detection.
- Built structure-building sandbox mechanics, procedurally-generated moving enemies, top-down camera system, map system, projectile movement, collision detection, and an inventory system.
- Employed the waterfall (Software Development Life Cycle) methodology to work through a group collaboration for our game.
- Employed sorting algorithms such as merge sort and data structures such as binary search trees, linked lists, and queues to manage in-game data such as items and item inventories.

EXPERIENCE

QMIND – Queen's Artificial Intelligence Hub

September 2020 - May 2021

Software Developer – Design Team

Kingston, Canada

- Developing a full-stack web application using React.JS for frontend and Flask for backend.
- Integrated teammates' OpenCV facial recognition program into web application.

QUANTT - Algorithmic Network & Trading Team

September 2020 - May 2021

Algorithm Developer - Design Team

Kingston, Canada

- Used SciPy, Pandas, and NumPy to create a trading algorithm that trades stocks based on companies falling in the same supply chain.
- Used QuantConnect to run backtests and optimizations on our algorithm.

Kevin Zhu

kevo.zhu@mail.utoronto.ca | 3522774138 | Toronto, ON | <https://www.linkedin.com/in/kevin-qy-zhu/>

EDUCATION

UNIVERSITY OF TORONTO | BS BIOINFORMATICS

Toronto, ON | Sept 2019 - Jun 2023

PROJECTS

FREE GOLD | KERAS, XGBOOST, GENSIM Doc2VEC

<https://github.com/kevqyzhu/FreeGold>

Natural language processing and machine learning to determine post virality on Reddit.

GRID PARKING | AMAZON AWS KINESIS VIDEO, RASPBERRY PI

Real-time processing via image recognition that allows drivers to find parking spots anytime and anywhere.

IMAGE REPOSITORY | DJANGO, CSS, JAVASCRIPT, PYTHON

<https://github.com/kevqyzhu/imagerepo>

Created an image repository with a search, upload, and login features. Custom CSS implementation for image grid system.

THE SHOPPIES! | REACT JS, BOOTSTRAP, HTML

https://github.com/kevqyzhu/shopify_challenge_ux

Created webpage for nominating movies. Used OMDb API to extract movie information. Implemented features to add, remove, and save movies for nominations.

SKILLS

PROGRAMMING LANGUAGES

Python, R, Java, Bash, SQL, Ruby, C#

MACHINE LEARNING LIBRARIES

TensorFlow, Keras, Pytorch, XG-Boost

WEB DEVELOPMENT

JavaScript, CSS, HTML, ReactJS

COMMUNICATION

Foreign Languages (French, Chinese)

EXPERIENCE

UNIVERSITY OF TORONTO MATTER LAB | RESEARCHER

Toronto, ON | March 2020 – Present

- Research paper in progress to be presented at NeurIPS 2021
- Created and benchmarked generative models that produce pharmaceutically relevant molecular structures.
- Working with a wide range of different frameworks, such as RNNs, graph neural networks, and hierarchical variational auto-encoders, and testing them on the Béluga cluster.

UNIVERSITY OF TORONTO AI GROUP | CONFERENCE LEAD

Toronto, ON | May 2020 – Present

- Organized the largest undergraduate conference in AI. This year, approximately 1500 students and researchers attended in a simulated online environment.
- Led the outreach and sponsorship team. Partnered with GoogleAI to give underrepresented groups in machine learning free tickets to the event.
- <https://www.uoft.ai/conference>

BLUEPRINT | DEVELOPER

Toronto, ON | Sept 2020 – Present

- Revamped the Blueprint website to work on native React. Worked with a small team using agile software development and git version control.
- Implemented NavBar and footer functionality, page organization, and site navigation.
- <http://uoftblueprint.org>

AWARDS

STS SCHOLAR REGENERON SCIENCE TALENT SEARCH | JANUARY 2019

Recognized for significant scientific creativity and scholastic aptitude in my research.

Kiera Lowman

Whitby, ON • (905) 995-8788 • 18kn12@queensu.ca • linkedin.com/in/kiera-lowman/

QUALIFICATION HIGHLIGHTS

- **Experience in engineering design:** Programming a robot to autonomously explore and map an indoor space. 2019-2020 member of the Queen's University Solar Design Team. Designed a net-zero ready home with fellow First Year Engineering students in winter 2020.
- **Strong project management and leadership skills:** Completed specialized Grade 12 Project Management & Engineering course and served as a School Prefect, MATE Robotics Team Co-Manager and Head of Active Citizenship Team during high school.
- **Proven communication skills:** Achieved highest standing in AP Literature in high school and scored in the top one percent of Year 11 participants in Australia on the ICAS Year 11 English Test.

TECHNICAL SKILLS

| | |
|-------------|-----------------------------------------------------------------------------|
| Programming | Python, Java, C, MATLAB, GitHub |
| Software | SolidWorks 2019, Microsoft Project, Microsoft Office Suite, G Suite, Notion |

EDUCATION

| | |
|-----------------------------------------------------------------------------------|---------------------------|
| BASc Candidate – Mechanical Engineering , Queen's University, Kingston, ON | September 2019 to Present |
| • Cumulative GPA: 4.20/4.3 | |

RELEVANT EXPERIENCE

| | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| Public Transit Vehicle Redesign Project | January 2021 to Present |
| QMIND Autonomous Accessibility Mapping Design Team Member | October 2020 to Present |
| • Developing knowledge of neural networks and ROS 2 and learning to use Gazebo to program a TurtleBot3 Waffle Pi robot to explore and map an indoor space to create an accessibility score with three undergraduate teammates. | |
| Habitat for Humanity Net-Zero Ready Home Project | January to March 2020 |
| Queen's University Solar Design Team Mechanical Sub-Team Member | September 2019 to March 2020 |
| MATE Robotics Team Member , Trafalgar Castle School | September 2017 to June 2019 |
| Creative Destruction Lab (CDL) Stem Mentorship Participant | April and October 2018 |

ADDITIONAL EXPERIENCE

| | |
|------------------------------------------------------------------|-----------------------------|
| Online Elementary and High School Tutor , Sylvan Learning | August 2020 to Present |
| School Prefect , Trafalgar Castle School | September 2018 to June 2019 |
| Active Citizenship Team Member , Trafalgar Castle School | September 2015 to June 2019 |

AWARDS AND HONOURS

| | |
|----------------------------------------------------------------------------------------------------------------------------|-----------|
| Dean's Scholar , Queen's University | May 2020 |
| Highest Standing in AP Literature, AP Statistics, Grade 12 Chemistry and Grade 12 Physics , Trafalgar Castle School | June 2019 |
| Canadian Senior Math Contest Certificate of Distinction | June 2019 |
| 2018-2019 Most Valuable Member of MATE Robotics Team , Trafalgar Castle School | June 2019 |
| ICAS Year 11 Australia English Test High Distinction Certificate | July 2018 |

Kunalan Kevin Subagaran

Ajax, Ontario | 647-284-0714 | soulkks@hotmail.ca | github.com/KnlnKS | linkedin.com/in/kevin-s-a76b741b0

Education

BACHELOR OF COMPUTING | 2019 - 2023 | QUEEN'S UNIVERSITY

- Specialization in Software Design.
- Achieved Dean's Honour List for the first year of study.

Work Experience

SITE RELIABILITY ENGINEERING INTERN | BONSAI | JAN 2021 - PRESENT

- Working in team of 3 of engineers tasked with upholding service and automating **CI/CD** pipeline.
- Automated linting and use of best practices through **GitHub Actions**.
- Optimized **Docker** build size by **30%** by implementing multistage builds and parent images.

Portfolio

AI DEVELOPER | QMIND | SEP 2019 - PRESENT

- Creating a **Python** package for a variety of mixed and deep recommender systems built with **TensorFlow**.
- Planning to create and present paper at **CUCAI**.

ALGORITHM DEVELOPER | QUANTT | SEP 2020 - PRESENT

- Created trading algorithm using **Python**, and various packages including **NumPy**, **Pandas**, and **Scikit-Learn**.
- Algorithm was able to make a profit of **\$90,000**, or **1000%** from initial investment of \$10000.
- Used the **Quant Connect** Platform to evaluate and train the algorithm.

SOFTWARE DEVELOPER | QTMA | APR 2020 - PRESENT

- Built a marketplace webapp using **React**, **JavaScript**, **CSS**, and **Firebase**.
- Collaborated with a team of 3 developers through **GitHub** and **Asana**.

EDUCATE MEMBER | QWEB | SEP 2019 – MAR 2020

- Learned about various web development technologies and frameworks such as **HTML**, **CSS**, **Node.js** and **Express**.

TEACHING ASSISTANT | PICKERING HIGH SCHOOL | SEP 2018 – MAY 2019

- Tasked with assisting teaching over **25** Computer Science students in my Grade 12 year.
- Assisted **5** struggling students during afterschool tutor time.
- Taught **Java**, and concepts such as **Data Structures** and **Object-Oriented Programming**.

Skills & Abilities

SOFTWARE DEVELOPMENT

- Knowledgeable about web development technologies such as **Node.js**, **Express**, **React**, **HTML**, **CSS**, and others.
- Experience developing apps for **Hackathons** and has published on the **Play Store**. Used **Android Studio**, **React Native**, and **Unity**.
- Highly skilled in both **Java**, **JavaScript**, **C**, and **Python**. All languages utilized successfully in class.

KYLE CHANG

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(647)-299-6868 || kylechang25@gmail.com || www.linkedin.com/in/kyle-chang

SUMMARY

- Currently an **actuarial analyst** at **Aviva Canada**
- Coding languages: **Python, R, Java, Scheme**
- Tools: **Pandas, Matplotlib, Plotly, Scikit-Learn, Excel, Oracle Essbase, Power BI, QlikView**
- Achieved an official pass on **SOA Exam P**
- Fluent in **English** and **French** (DELF B2 certified)

EDUCATION

Candidate for Bachelor of Mathematics, *University of Waterloo*, *GPA: 95.7/100* Exp. Graduation: 2024

Candidate for Bachelor of Business Administration, *Wilfrid Laurier University*, *GPA: 12/12* Exp. Graduation: 2024

LEADERSHIP AND WORK EXPERIENCE

Actuarial Analyst - Data Science Team, *Aviva Canada (Markham, ON)* Jan. 2021 - Present

- Working on the data science team to complete a commercial general liability pricing project using Python
- Comparing differentials between the old and new multivariate property pricing models using Plotly's Python library

Data Analytics Consultant, *Ontario Hockey League (Waterloo, ON)* Aug. 2020 - Present

- Tracking hockey data for 10 hours a week at a 95% accuracy level to support the analytics department of an OHL team

Actuarial Analyst - Capital Management Team, *Manulife (Toronto, ON)* May 2020 - Aug. 2020

- Worked on the stress testing team to identify the effects of economic and pandemic shocks on Manulife's LICAT ratios
- Led the team in automating calculations for interest rate risk and participating product dividends with QlikView tables
- Developed Power BI dashboards to visualize a business unit breakdown of Manulife's required capital

Consultant and Talent Acquisition Manager, *180 Degrees Consulting (Waterloo, ON)* Jan. 2020 - Apr. 2020

- Identified potential donors for the director of Business & Education Partnership and scored 5/5 for our deliverables
- Organized the recruitment of consultants by developing a mock case study and selection criteria for candidates

Student Body President, *Crescent School (Toronto, ON)* June 2018 - June 2019

- Elected head of student council to lead initiatives such as survey research, Spirit Week, and Grad Formal
- Chaired weekly team meetings and strengthened public speaking skills in frequent addresses to the school community

PROJECTS

Data Analysis of the National Hockey League, *Personal* July 2020 - Aug. 2020

- Web scraped for NHL player data and created Matplotlib histograms to analyze the prevalence of the relative age effect
- Built a multivariate regression model with Scikit-learn to predict player salaries with a mean error of less than \$1M
- Extracted the 2020-2021 season schedule using Pandas to help identify the best goalies for my fantasy team

Home Eats on the Go, *Lazaridis School of Business and Economics* Sept. 2019 - Apr. 2020

- Built an innovative business model for a restaurant using empathy interviews, demand forecasts, and cash budgets
- Proposed the new venture to PepsiCo executives in a pitch competition and placed 2nd out of 1,100 Laurier students

ADDITIONAL

Awards

- 3rd at the Changemaker Innovation Challenge (2020) — for our team's proposal to improve safety at street parties
- 5th in the world at DECA Internationals (2019) — for the Sports and Entertainment Marketing Team event
- 42nd in the Canadian National Math League (2018) — for achieving a total score of 24/36 across six math contests

Interests

- Case competitions || Mentorship || Avid cricket and tennis fan || Fantasy hockey pools || Running

HARLEY LATSKY
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<https://www.linkedin.com/in/harley-latsky/>

Education

Queen's University – Kingston, ON 2019-Present
Working towards Computer Engineering Bachelor of Applied Science (2023) – cGPA 3.80
Dean's Scholar, 2020
Excellence Scholarship, 2019

Extracurriculars

- Engineering Personal Tutor (Coding in C, Calculus I/II, Mechanics), 2020-Present
- Queen's Fuel Cell Team (Engineering design team), 2019-2020

Professional Experience

QMIND Design Team - Member Sept 2020 - Present

- Artificial Intelligence/Machine Learning design team
- Project-based application for AI/ML in python
- Building a voiceprint identification system for secure audio-based communications

Mosaic North America – E-Commerce Coordinator Jun-Aug 2020

- Involved in a training program taught by Shopify, Google, Facebook, eBay, and eShipper
- Built and optimized online stores for independent businesses using Shopify
- Managed the implementation from concept through to site promotion
- Out of 300 employees, maintained the top position on the leaderboard

Camp Arowhon - Summer Counsellor/Manager in Training 2018-2019

- Trained 10 staff members
- Worked with my team to ensure campers were emotionally and physically safe
- Used counselling skills to settle conflicts and establish relationships

Alpine Ski Club - Level 1 Ski Coach 2016-2019

- Coached a ski racing team
- Worked with my team to ensure the wellbeing of racers
- Prepared, organized, and taught the technical skills of ski racing

Extracurricular Activities and Awards

- Lifeguard (bronze cross certification) 2017-Present
- Calculus excellence award 2019
- International Baccalaureate Diploma 2019
- Founder and coach of indoor rock climbing club 2018-2019
- Academic mentor to grade 7 students 2017-2019
- Badminton and curling teams 2017-2019
- The Duke of Edinburgh's International Award - bronze level 2015

Lexi locca

COMPUTER ENGINEERING – YEAR 2

(705) 896-3033 | 18asi2@queensu.ca | Barrie, ON

github.com/lexi-iocca | linkedin.com/in/lexi-iocca

EDUCATION

Queen's University

Bachelor of Applied Sciences, Computer Engineering

Kingston, Ontario

Fall 2019 – Present

- Dean's Honour List, 3.74 cGPA

SKILLS

Languages Python, HTML, CSS, C, MATLAB

Learning Java, JavaScript, React, Firebase, Git, Node.js

Other Microsoft Office Suite (Word, Excel, PowerPoint, Project), Solidworks, AutoCAD

WORK EXPERIENCE

Molded Precision Components, MPC

Oro-Medonte, Ontario

Quality Assurance

May – August 2020

- Determinations made on part acceptance to ensure part quality is maintained
- Documenting daily inspections
- Packaging and labelling products according to specifications

Barrie Urology Group

Barrie, Ontario

Office Assistant

July – August 2019

- Great organization used to file patient medical records for physicians
- Computer proficient with using scheduling program to check in patients
- Assisted in all areas of office duties including filing, faxing, answering phone calls, data entry
- Observed medical techniques through observer-ship program

PROJECTS

Monitoring System for Epidemic Conditions

Jan 2021 – Present

- Developing a monitoring system to be implemented on Kingston Transit buses to increase efficiency of data collection (in a team of four)
- Includes selection of hardware and high-level algorithmic description of the control/communication processing system
- Privacy laws must be considered as well as safety, environmental impact, societal factors, ethics, and cost

Voluntera, Queen's Technology and Media Association (voluntera.ca)

July 2020 – Present

- Building a volunteering marketplace web-app with React and Node.js (in a team of three)
- Developing data access back-end in Firebase as well as UI in React with JavaScript based on mock-ups from designer

Automated Greywater Irrigation System

Jan – April 2020

- Designed and modelled an aquaponics system using a reedbed filtration system on greywater to irrigate crops for an off-grid sustainable home (in a team of five)
- Major focus on water quality and filtration, water delivery and piping, reduced energy consumption, and cost

Hyperloop Design and Prototype

Sept – Dec 2019

- Modelled and constructed a hyperloop prototype on a 1:36 scale on a team of four specialists – levitation, propulsion, chassis and energy consumption
- Focused on professionalism, stakeholder and equity, as well as ethical, economic, safety, and environmental factors

Lisa Yu

321 Bloor Street West, Toronto, Ontario, M5S 1S5 | +1 (250) 893-2751 | lisaqy.yu@mail.utoronto.ca

EDUCATION

University of Toronto

Bachelor of Commerce, Finance and Economic Specialist; Computer Science Major

Toronto, ON

Class of 2023

- Cumulative GPA: 3.86/4.00
- University of Toronto Scholars Program Award 2019
- 1st Place at CEO Case Competition (October 2019)
- 3rd Place at TechTrade Algorithm Trading Competition (November 2019)
- Finalist at Credit Suisse Virtual Stock Pitch Competition (July 2020)
- 1st place EY Challenge Competition (November 2020)

EXPERIENCE

TMX Group

Toronto, ON

Student Ambassador

Spring 2020 – Present

- Provided a liaison between the university and the Montréal Exchange
- Encouraged the student community to sign up for the Exchange's Options Trading Simulation activity and the Canadian Derivatives Scholarships
- Actively participated in the Exchange's monthly conference calls and monthly progress reports

Pandora Jewelry

Victoria, BC

Sales Associate

Summer 2018 – Summer 2019

- Handled daily jewelry transactions and analyzed key performance indicators to meet sales goals
- Achieved top sales during September "Spend More Save More" promotion event by encouraging gold purchases and jewelry-stacking to increase the average purchase value
- Fostered strong client relations through high-quality customer service including efficient item searching to minimize wait time, creative personalized jewelry accessorizing ideas, and communicating to resolve conflicts

LEADERSHIP EXPERIENCE

Toronto Student Investment Counsel

Toronto, ON

Analyst

Spring 2020 – Present

- Learned to construct 3 financial statements and perform valuation methods such as discounted cash flow (DCF) analysis, comparable companies analysis, and precedent transaction analysis
- Used the bottom-up approach to value companies by evaluating industry macro trends, business models, historical financials, business risks, and catalysts

Rotman Commerce FinTech Association (RCFTA)

Toronto, ON

Director of Events

Fall 2019 – Present

- Designed and developed the RCFTA online research and trading terminal
- Led a 13-person team and introduced new initiatives including the Innovation Symposium, workshops, and panel discussions on Data, Machine Learning and Artificial Intelligence
- Hosted competitions, workshops, and speaker series on algorithmic trading, automated portfolio optimization, SRI & cleantech, and alternative financing

University of Toronto Artificial Intelligence Group (UofTAI)

Toronto, ON

Director of Industry Partnerships

Spring 2020 – Present

- Bring together U of T students interested in AI and bridge them with academic research and industry leaders
- Build and maintain long-term partnerships with sponsoring firms, the academia, and other universities
- Launch ProjectX 2020, the first iteration of a machine learning competition between top universities across North America by securing \$80k in industry sponsorships (<https://www.projectx2020.com/>)

SKILLS, ACTIVITIES & INTERESTS

Skills: Bloomberg, Capital IQ, Python, Java, Microsoft Excel, PowerPoint

Activities: Associate at the University of Toronto Capital Markets Society 2020, Consultant at A+ Education Group 2020, Volunteer at Rotman International Trading Competition 2020, Member of Rational Capital Investment Fund 2019, Docent at Craigdarroch Castle 2018

Interests: Programming, Logic (Mathematical Proof), Travelling, Literature, Painting

Mahad Rehan

<https://mahaad.github.io/website/> <https://github.com/mahaad> <https://www.linkedin.com/in/mahadrehan> 4372194339 mahad.rehan@gmail.com

Education

Queen's University

Honours Bachelor of Computing, Computer Science

Kingston, ON
September 2019 - April 2023

- **Relevant Courses:** Intro to CS 2 (Java/Object-Oriented Programming), Data Structures, System-Level Programming (Linux/Bash/C), Web Development(JavaScript, HTML/CSS)

Skills

Languages: JavaScript, HTML/CSS, Java, Python, C, Bash

Technologies: Node.js, MongoDB, Firebase, Git, Linux, Photoshop, Illustrator, After Effects, Figma, MS Office

Frameworks/Libraries: React.js, React Native, Vue.js, Angular.js, JQuery, Express.js, d3.js, Django

Experience

QMIND

Kingston, ON
October 2020 - present

Software Developer

- Developed software to automate identifying human and natural disturbances in forests with higher accuracy and consistency than human classification using computer vision
- Built front-end/interface of Python classifier application built using CNN used for classifying human activities and deforestation in aerial images of forests

Teens Learn to Drive

Mississauga, ON
May 2020 - July 2020

Web Developer and Design Intern

- Redesigned company's website in WordPress, and used custom CSS and JavaScript to effectively style and add functionality
- Creatively designed artwork, logos, and other promotional graphics in Adobe CC software to advertise company's campaign

BetaLab

Kingston, ON
February 2020 - present

UI/UX Designer

- Created prototypes, user flows, and high fidelity wireframes of web and mobile apps for clients
- Utilised prototyping software such as Figma, as well as Adobe Photoshop, and Adobe Illustrator for design work

Projects

Messenger App <https://github.com/mahaad/messenger-app>

- Snapchat and Facebook Messenger inspired messaging full-stack app featuring real time chat functionality between user accounts built with MongoDB, Express.js, React.js, and Node.js
- Implemented location sharing and map features similar to that of Snapchat Maps and various other Snapchat related features using Google Maps API along with Snapchat API

Youtube Profile Data Visualiser <https://github.com/mahaad/Youtube-Data-App>

- React.js web app which visualizes user watch data extracted Youtube Data API V3 to provide greater insight on top channels, genres, watch time, e.t.c.
- Graphically displayed user data and statistics with d3.js/Chart.js with material-ui.

Water Drink Reminder App <https://github.com/mahaad/water-drink-app>

- Cross Platform mobile app built using React-Native intended to regularly send push notification reminders to user to increase water intake
- Used Firebase DB to store user accounts and water consumption data to track water intake over time

Memory Tiles <https://github.com/mahaad/memory-tiles-2>

- Vue.js web app for improving spatial recall and visual memory. Used d3.js/Chart.js to visualise stats and provide user with feedback on memory improvement
- Used MongoDB to store user data and get rate of progress and track memory improvement

Manpreet Mahi

Experience

| | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| Freelance Web Development - Front-End Web Developer | November 2019 - February 2020 |
| <ul style="list-style-type: none">Designed functional email contact forms, developed custom personal portfolio/business websites for 3+ private partiesCreated and improved websites with picture carousels, animations, responsive design, and store integrationDesigned functional email contact forms using PHP | |
| DeltaHacks - Attendee-Relations Executive | October 2018 - March 2021 |
| <ul style="list-style-type: none">Participated in weekly meetings to discuss work completed, issues being faced and contribute to group discussionsHandled event execution for a 24hr Ontario-wide university hackathonScreened and marked over 8,000 applications | |
| Tommy Hilfiger - Retail Lead Associate | May 2018 - Present |
| <ul style="list-style-type: none">Assist store managers in managing all personnel, product and merchandising functionsWork towards a goal with an emphasis on service quality, customer satisfaction and financial performance | |

Projects

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| Flutter Application - IOS/Android App | September 2020 - October 2020 |
| <ul style="list-style-type: none">Used Git and AndroidStudio to create functioning android/IOS apps using the Flutter SDKCreated 4+ applications using advanced UI designs, Firebase and Cloud Functions | |
| CAD Prosthetic - Artificial 3D Hand-Gear | August 2020 - September 2020 |
| <ul style="list-style-type: none">3D printed and assembled a gear train intended to transmit motion in a mechanical hand using AutoCAD InventorTeam successfully minimized mass to save costs and improve sustainability | |
| Personal Portfolio - manpreetmahi.tech | September 2019 - November 2019 |
| <ul style="list-style-type: none">Developed personal site using HTML5, Bootstrap4, CSS3, jQuery, Node.JS, C++ and Express.JSImproved responsiveness on phone by adding Bootstrap and jQuery | |
| TurnerHacks Hackathon - Chair/Co-creator | January 2017 - June 2018 |
| <ul style="list-style-type: none">Created the first-ever high school hackathon in the Peel region with over 150+ attendeesCoordinated with team members for activities at the eventDeveloped workflow plans and schedules for executives to follow | |

Interests & Skills

| | | | |
|------------|-------------|-----------|------------------|
| UI/UX | Photoshop | Hiking | Machine Learning |
| Hackathons | Web/App-Dev | Microsoft | 3D-Printing |

Education

| | |
|--------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| McMaster University – B.Eng. Computer Engineering | September 2018 - Expected April 2023 |
| Awards: (2019) Dean's Honor List, (2018) top 10% nationally Waterloo Euclid competition, (2017) 1 st at Cipher Hackathon | |

Available for 4, 8, or 12 months beginning January 2021

MARCOS ACOSTA | 340 E. Foothill Blvd. | Claremont, CA 91711 | 978.413.5078
mdacosta@g.hmc.edu | github.com/marcos-acosta

EDUCATION

B.S., Computer Science

Harvey Mudd College, Claremont, CA, Expected, May 2023, GPA: 3.951

Relevant Coursework

- CS 70 (Data Structures / Program Development)
- CS 42 (Principles and Practice of Computer Science)
- CS 189 (Programming Practicum)
 - Developing full-stack skills and best practices, building full-stack web applications SP 2021
 - Studying the mathematics and applications of the leading machine learning algorithms FA 2020
 - Learned the React + MongoDB framework to build a frontend-backend site from scratch SP 2020

Programming languages: Python, Javascript / Typescript, HTML, CSS, Java, C++

Other relevant skills: Full-stack basics, React, Express, SQL, MongoDB, Node.js, AWS, Relational Databases, Git

Machine learning experience: Neural Networks / Deep Learning, NLP, Computer Vision, Transfer Learning

LEADERSHIP EXPERIENCE

President, Harvey Mudd College Class of 2023

2019-2020, 2020-2021

- Manage a yearly \$600 budget for freshman class
- Organize events to promote community like study breaks, student-professor chats, and virtual challenges
- Communicate with Claremont College administration on issues affecting student wellbeing

Director of Projects at P-ai, the Claremont Colleges' AI incubator

2020-2021

- Responsible for overseeing the progress of four machine learning projects at P-ai to ensure project managers are staying on track and have the resources needed to succeed in their tasks
- Teach principles of machine learning in weekly hands-on workshops; invited as a guest speaker for the 2020 5C Virtual Hackathon

Project Lead - Sign Language Recognition at P-ai, the Claremont Colleges' AI incubator

Spring 2021

Leading a machine learning-oriented team in researching sign language recognition and building a computer vision / deep learning model to translate non-static signs

Project Lead - Music Generation at P-ai

Fall 2020

Leading a team of machine learning enthusiasts in designing and developing a machine learning algorithm to generate novel jazz piano from MIDI data using an NLP approach

PROJECTS

Stanford Hackathon (Treehacks) participant

2/2021

Will participate in Stanford University's annual hackathon

5C Hackathon participant

11/2020

Built a proof-of-concept website for students to find classmates willing to collaborate on homework together, as a way of compensating for a missing piece of virtual college life

Developed Metaschedule, a web app designed to help students at the

2020

Claremont colleges plan their course schedule by generating possible permutations that match user criteria

Developed WA GPS, an online web app to guide freshmen at my high school to their classes

9/2018

Over 1k user sessions to date, included in Freshman Orientation

RESEARCH

Brown University & Google Research: Socially Responsible AI for Computational Creativity

Spring 2021

Semester-long immersive research experience program that focuses on developing ML for social good

Summer Research Intern at Keck Graduate Institute, Using NLP to study misinformation on the internet

- Built an RNN classifier to distinguish tweets that are pro-vax / ambiguous / anti-vax with 80% accuracy
- Assisted other team members in programming / classification challenges

JOBs

Grader & Tutor (Grutor), Harvey Mudd College

12/2020 - present

- Grade, assist professors, and hold office hours for CS70: Data Structures / Program Development

Marc Kevin Quijalvo

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(647) 282-9682

mkevinquijalvo@gmail.com

linkedin.com/in/marc-quijalvo

mkeving.github.io

Education

Queen's University: Bachelor of Computing - Specialization in Software Design

September 2019 – Present

Technical Skills

Programming Languages & DevOps

- Python, Java, C#, C, JavaScript
- Development on Windows and Linux / Unix systems
- Git, GitHub Actions, Google Cloud, Docker

Web Development

- HTML / CSS, React, React-Native, jQuery
- Flask, ASP.NET, Express.js, MongoDB

Game Development

- Unity
- Pygame

Artificial Intelligence

- TensorFlow, Keras

Embedded Systems / Robotics

- Arduino (or other Arduino-like platforms)
- ROS, Gazebo
- Development on AVR and STM32 Microcontrollers

Experience

Queen's University School of Computing, Kingston, ON

January 2021- Present

Teaching Assistant (TA) for Introduction to Computer Science II

- Enhanced student learning by answering questions and providing guidance about **Java programming**
- Evaluated **hundreds of student programming assignments** based on programming style, functionality and efficiency

Queen's University Web Development, Kingston, ON

Sep 2020-Present

Development Lead Team and Education Director

- Taught over **30 students** how to create full-stack applications using modern tech including **React, Express.js and MongoDB**
- Organized and presented live tutorials by creating front- and back-end applications from scratch
- Led a team of 4 to create a website based on client's specifications in an **agile development environment**

QMIND, Kingston, ON

Sep 2020-Present

Design Team Member

- Developed software for a robot that uses **computer vision** to analyze the accessibility of buildings
- Interfaced with the robot using ROS, and Gazebo simulations in a **Linux environment**
- Used **Keras** to develop models based on RGB and Depth data provided by an Intel RealSense camera

Firefly AR, Mississauga, ON

April 2020 - September 2020

Full Stack Developer (Internship)

- Developed a prototype **augmented reality** application with a team of four other people
- Built a front-end app with C# in Unity. Handled 3D object manipulation and user authentication
- Built a game server with C# using the **ASP.NET** Framework, with libraries including **SignalR and IdentityServer4**

Projects

- acts - Minimal, yet powerful typing site written with **React** (<https://univa.github.io/acts>)
- Journey - Personal journal with **sentiment analysis** for mental-health (<https://github.com/mkeving/journey>)
- StudyBuddy - Study system that promotes good habits using **computer vision** (<https://github.com/Cameron-Beaulieu/studybuddy>)
- Smart-Windows - Raspberry Pi-powered **IoT** household window controller (<https://github.com/yebrandon/smart-windows>)
- Mineral Madness - Fighting Game **written entirely in Python** (<https://github.com/mkeving/mineral-madness>)
- Prism65 and Prism75 - Compact keyboards with **fully custom firmware and hardware**

Honors and Awards

- Dean's Award of Excellence (Dec 2020), Dean's Honour List with Distinction (Oct 2020, **GPA-4.28, Top 3%**)
- Robert Bruce Scholarship
- Consistent Honor Student from Grade 9 to 12; Graduated with Distinction (90+ Average) under SHSM Program
- Computer Programming Award, Technological Design Award, Technical Proficiency Award

Matthew Payne

7 Kane Court, Ajax, ON, L1T2T8

647-391-4793 | 17mfp1@queensu.ca | www.linkedin.com/in/matthewpayne100

Education

Queen's University Bachelor of Mechanical Engineering and Applied Science | Queen's Concrete Toboggan and Baja SAE Teams

Certificates and Skills

- **Coursera certificate on Financial Markets**, Yale University, taught by Robert Shiller
 - **Certificate on Accounting Fundamentals** from Corporate Financial Institute (CFI)
 - **Leadership Skills**: Engineering frosh week orientation leader (FREC). 200 leaders selected from a pool of over 600 applicants after a through multistage interview process
 - **Technical Skills**: Python, Microsoft Office, MATLAB, CAD Design, C
-

Experience

QCBM Director of Finance **Nov 2020 - Feb 2021**

- Communicated with company executives to attract corporate sponsorship funding
- Maintained accounting records and budgeting for the Queen's Conference on Business and Mining, Canada's premier business and mining conference

Custom Designed Dune Buggy **May 2018 - July 2020**

- Designed and fabricated custom dune buggy using AutoCAD and welding skills
- Cost analyzed each component to predict and model pricing, ensuring budget compliance

APSC 221 **Jan 2020 - Dec 2020**

- Learned economic and business practices through application in real world examples
- The examples included business planning for enterprise, enterprise economic analysis, project management, project economic analysis, risk analysis and management

APSC 200 **Jan 2020 - May 2020**

- Solved the complex problem of deploying a parachute at the apex of a projectile's flight
 - Collaborated with my team to first outline the scope of the project, then iterated the projectile design, writing biweekly reports in a deadline focused environment
-

Additional Experience

Lead Trimmer - Pristine Property Maintenance, Ajax Ontario **May 2019 - Aug 2019**

- Responsible for the training of new trimmers and performing high quality work

Gluing Machine Operator - WestRock, Ajax Ontario **Mar 2019 - May 2019**

- Operated and maintained the high-speed box gluing machine, ensuring it ran smoothly
-

Mihir Kadiya

mkadiya@uwo.ca ♦ (519) 694-4285 ♦ London, ON

PROJECTS

Scientific Calculator

- Used Java to compute matrix arithmetic, row, echelon form, inverse matrix and the determinant, vector computation for three dimensions, complex number computation, arithmetic for nth degree polynomials, and basic calculations using expression trees. In the end, all these computations can be used to create a basic scientific calculator.
- Learned about generics and a basic understanding of OOP.

Website for Focused Learning - <https://engageshell.herokuapp.com/>

- Created a website as a part of Shellhacks Hackathon in a team of four people. The website aims to help students focus in their online learning environment by providing an incentive to study and compete with others in the process.
- The website was created using React, nodeJS, and mongoDB.
- I contributed towards the project by working in nodeJS and mongoDB to create a database for storing user information and subject data.

LISP in C Programming

- Developed a LISP in C using a pre-built parser and capable of handling basic programming paradigms.
- All the computation done in LISP is represented as lists. It involved working with trees, recursion and many other data structures.
- Learned about language design, C programming, and LISPs. The result of the project is to create a simplistic, and robust LISP.

EDUCATION

University of Western, Ontario

May, 2023

BSc, Computer Science

GPA: 3.7

- Pursuing Honors in Computer Science with a minor in Software Engineering
- Awarded Dean's List 2020
- Received Western Scholarship of Excellence

SKILLS & INTERESTS

Programming: Java, Python, JavaScript, HTML, CSS, and NodeJS

Frameworks: Bootstrap, Express, and jQuery

Databases: MongoDB

EXTRACURRICULAR ACTIVITIES

- **Teaching Assistant at Kumon Tutoring Centre** October 2020 - Present
 - Work with other tutors to provide amazing education to students that are part of Kumon. I help high school students with Mathematics, covering basic Calculus and grade their work.
- **Member of Western AI hackathon team** September 2020 - Present
 - This club chooses only one team of four students to participate in various hackathons and develop new projects based on AI and Machine learning.

NGOC BAO HAN "MIMI" NGUYEN

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 <https://www.linkedin.com/in/han-mimi-nguyen/>

EDUCATION

Queen's University

B.Comp in Biomedical Computation

Kingston, ON

Expected May 2023

Honors: 2019-2020 Dean's Honours List

Relevant Coursework: Linear Data Analysis/ Data Analytic / Object Oriented Programming (Java Python) /Business Management

PROFESSIONAL EXPERIENCE

The Perk Lab

Undergraduate Research Assistant

Jan 2021 - Present

Kingston, ON

- Implement 3D Slicer and Python module extensions to record, segment, and export ultrasound data for Perk Tutor - a Computer assisted medical training and skill assessment platform.
- Create medical diagrams and illustrations for Dr. Richard Henry's research paper in the British Journal of Pharmacology on the use of MR blockers in the treatment of COVID-19.

QMIND

Design Team ML Researcher

Sep 2020 - Present

Kingston, ON

- 3D Object Classification Project. Applying Computer Vision and Real Sense to augment 2D classification approaches with 3D point clouds for advanced object classification. Transfer learning for separate RGB-D processing streams.

Pursuit Lab

Co-founder/ Product Manager Lead

Aug 2020 - Present

Kingston, ON

- Developing HR talent management program that identify growing skill gaps within companies and optimizes talent allocation.
- Creating an AI product with real market validation, conducting market research, developing business plans, building partnerships and sponsorship.

LEADERSHIP EXPERIENCES & ACTIVITIES

Queen's COMPSA

Marketing Director

March 2020 - present

Kingston, ON

Queen's Computing Student Association

- Represent COMPSA at the School of Computing on media platforms
- Oversee a team of coordinators and volunteers to create all marketing and promotions materials for COMPSA events and services.
- Oversee the Committee of Website that builds and maintain the association's website

SKILLS & INTERESTS

Programming Languages

Python, TensorFlow, Keras, OpenCV, PyTorch, R, Java

Creative Pursuit & Illustration

Analog Photography, UX/UI mockups, Digital Marketing

Interests

Political Philosophy, Poetry, Jazz, Future of Work

Mir Enan Mubasher

Contact: +971502855364 | mirmubasher2001@gmail.com

EDUCATION

Western University

Bachelor of Data Science

London, Ontario, Canada

Expected April 2023

- **GPA:** 3.3
- **Relevant Coursework:** Calculus, Linear Algebra, Computer Science, Statistics, Economics, Leadership & others.

WORK EXPERIENCE

Intern at Business Experts Gulf, Dubai, U.A.E.

Nov 2020

- Trained in data analytical tool Power BI and database software SQL Server Management Studio.
- Cleaning and formatting of existing database using SQL queries to obtain relevant data to be fed to Power BI
- Implemented required relationships between different databases in order to structure the data.
- Generated dynamic reports using Power BI for multiple users from a database of over 18,000 entries.

LEADERSHIP EXPERIENCE

Secretary-General (Delegate, Director General) Model United Nations, India, U.A.E.

2014 – 2019

- Participated in several domestic and international MUN conferences and won Honorable mentions in MUN's such as Harvard Model Congress
- Organized the first intra-school MUN held in Dubai Scholars for free with 80 student participants
- Held the first paid interschool MUN in Dubai Scholars with 100 students attending and raised \$7,200 CAD
- The profits were invested into the debate club and the MUN was established as an annual event

Volunteer, Organizer & Tutor, Dubai, U.A.E.

2016 – 2018

- Volunteered to help children with special needs and organized multiple Labor Day events, spending over 100 hours in service
- Tutored 2 students independently in Further Pure Mathematics, both of whom had no prior knowledge of the subject; they achieved an A and an A*

Founded STEAM and Math Mentor Club, Dubai Scholars Pvt. School, U.A.E.

Sep 2016 – Jun 2017

- Mentored junior students to help them improve their grades from C's and D's to A's and B's
- Raised \$4,400 CAD to buy all the equipment for the STEAM club
- Taught students the inner workings of electronics along with the block programming and taught them robotics through Arduino, Raspberry Pi and Lego Mind Storm Kits

Captain, Dubai Scholars Student Council, Dubai Scholars Pvt. School, U.A.E.

Sep 2016 – Jun 2017

- Represented the student body in the school
- Held the position of Prefect for a year, after which I was voted into the position of House Captain
- Organized events such as Breast Cancer Awareness and International Math Pi Day
- Awarded "Outstanding Leadership Skills", only granted to 10 students in the entire council

Competitions, Dubai, U.A.E.

2015

- Won the Mechanical Engineering Competition at Rochester Institute of Technology, which awarded me a scholarship of \$18,120 CAD
- Won 3rd place at a business competition for creating a marketing plan at Rochester Institute of Technology
- Participated at the Young Entrepreneur Competition where our business made a revenue of \$1100 CAD and profits of \$200 CAD

SKILLS, ACTIVITIES & INTERESTS

Languages: Fluent in English; Conversational proficiency in Bengali, Hindi & Urdu

Technical Skills: Python, Power BI, C, Unix, Java, HTML, CSS & MS Office

Activities: Western Capital Markets, Western Artificial Intelligence & Western Investment Club

Interests: Data analysis, back-end development, machine learning, finance, badminton, basketball & swimming.

MYLES MACDONALD

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647.220.3213

EDUCATION

Western University – Computer Science

Honors Specialization, pursuing alongside Business Administration

London, ON

Sept 2019 - Present

- Major GPA of 4.0 (96%), Cumulative GPA of 4.0 (92%)
- Notable Coursework: Computer Science (96%), Calculus (91%), Business Administration (in progress)

The Woodlands Secondary School

Enhanced Learning Program

Mississauga, ON

Sept 2017 – June 2019

- Completed Enhanced Learning stream with 95% graduating average
- Hands-on classroom experiences with more challenging curriculum and Enhanced learning schemes

WORK EXPERIENCE

RBC Design Thinking

Participant

London, ON

Jan 2021 – Present

- Working in team to create solutions to real-world social and ethical issues using STEM and finance
- Applying project management and coding skills to develop webservice connecting teachers and students
- Preparing project demonstration to esteemed innovators, bankers, and scientists for feedback

Marc's No Frills

Grocery Clerk

Mississauga, ON

May 2018 – Sept 2020

- Frequently responsible for directing groups of employees resulting in the development of managerial skills
- Pursued customer service opportunities exceeding expectations leading to an increase in customer satisfaction
- Supervised cleaning and stocking of multiple coolers and shelves, improving overall store operations

PARTICIPATORY EXPERIENCE

Western Artificial Intelligence

Gideon Project Stream Developer

Mississauga, ON

Jan 2021 – Present

- Developing knowledge of AI and machine learning theories and applications through interactive lessons
- Using Python with machine learning APIs such as TensorFlow to develop accurate handwriting processor

Western Smartphone Film Festival

Director of Finance

London, ON

Oct 2020 – Present

- Conducted sponsor outreach and budgeting to attain capital and resources for festival promotion and logistics
- Designed and ordered team uniforms, creating attractive merchandise and boosting team synergy
- Manage YouTube channel to captivate visitors and host the festival livestream for hundreds of viewers

Western Debate Society

Tournament Judge and Staff

London, ON

Sept 2019 – Dec 2020

- Selected for tabulations team at on-campus national tournament, leading to efficient processing of results
- Judging experience at various university debate tournaments, including Western and McMaster
- Participated in weekly practices, learning debate skills which contributed to strong public speaking abilities

ADDITIONAL SKILLS

Programming: Fluent in Python, Java, C, UNIX, R, Dart, Git, and UML, experience with AI, cloud computing

Concepts: Knowledge of SDLC methods including Scrum and XP, database management, financially literate

Technical: Proficient in Excel, PowerPoint, Photoshop, Figma, experience with Flutter and React frameworks

Interests: Blockchain, neural networks, fintech, music, drama, reading, Quentin Tarantino movies

MY DUC TRAN

✉ my.d.tran@mail.mcgill.ca
🌐 mytran2111.github.io/
📞 5145695310
👤 mytran2111

SKILLS

PROGRAMMING LANGUAGES

Python
Java
C
MATLAB
R
HTML
JavaScript
CSS
p5.js
SQL

ML/AI
Pytorch
scikit-learn
pandas
numpy
Tensorflow

IDE
Visual Studio
Eclipse
Jupiter
Google Collab
Git

SOFT SKILLS
Strong communication
Problem solving
Organization skills
Team-working

EDUCATION

McGill University

B.Sc Statistics & Computer Science

Relevant courses: Sampling Theory, Machine Learning, Stochastic Process, Algorithms & Data Structures, Competitive Programming.

CGPA : 3.95/ 4.0

2019 to 2022

EMPLOYMENT

Communications Assistant - Biographical Records Team

McGill University Advancement

- Collected and verified data, worked on analyzing large databases of alumni profiles in SQL.
- Reached out to **250** alumni for McGill 24, helped to raise **\$2.95M** for McGill's biggest fundraising campaign.

Undergraduate Research Assistant - Quantitative Microstructure Imaging Lab

Montreal Neurological Institute

Dec. 2019

- Research topic: Analyzing the volume of the brain structure of 50 current patients with Parkinson's disease.
- Collecting scan images, data wrangling and analyzing data in MATLAB using projection onto dipole fields.

PROJECTS

NLP Tweet Disaster Detection

Dec. 2020

- Performed data visualization, data preprocessing and data cleaning.
- Created NLP Logistics regression and Classifier model to detect tweets about the disaster with an accuracy of 80%.
- Implemented BERT model with embedding, achieved an accuracy of 82.8%.
- source code: NLP_tweet_disasters

MNIST Digit Recognizer

Dec. 2020

- Built a classic CNN model to recognize handwritten digit with an accuracy of 99.7%, top 100 in Kaggle Competition.
- Created a web demo for the client to predict their handwritten digits or with uploaded images using Tensorflow and Javascript.
- demo: mytran2111.github.io/DigitRecognizer_web_demo/

MAIS 202 - Kaggle Competition 1st place

Nov. 2020

- Worked on MNIST problem to find the maximum of multiple digits in 2D images.
- Built CNN model and work on Grid Search CV and Data Augmentation to achieve accuracy of 97.9%.
- Wrote final proposal to demonstrate the process and the model architecture.
- source code: MNIST_Max-digits

CREDIT CARD FRAUD DETECTION

Jan. 2020

- Creating a machine learning model to detect fraud transaction.
- Determining the Classification method with the highest accuracy.
- Working with an imbalanced dataset with over 284,807 transactions and 0.72% fraud.
- source code: Credit_card_fraud_detection

WEB WHITEBOARD - Code Jam Hackathon 3rd place

Nov. 2020

- Created a virtual whiteboard to reduce the challenge for students to attend online schooling.
- Built website by Javascript, HTML, CSS and p5.js for 2D graphics.
- demo: mytran2111.github.io/Code-Jam-2020/

AWARDS

NP Compete McGill - rank #6

Nov. 2020

Biggest Competitive Programming Contest at McGill.

Edward W Beatty Scholarship

July 2020

Scholarship for top 10% students in Mathematics.

Tomlinson Engagement Award for Mentoring

Aug. 2020

Mentor for Linear Algebra I

UK Mathematics Trust · Gold Medal in Senior Mathematical Challenge

Dec. 2018

Invited to the British Mathematical Olympiads.

Leadership

VP Event, Student Union - Brockenhurst College

Dec. 2017 to May 2019

- Planning, organizing events for college students at Brockenhurst College.
- Organizing May Ball event with 2,700 students and a budget of 9000GBP.

Nessa Kiani

50 Blue Heron
Irvine, CA 92603

(949) 923-8107 (cell)
nessakiani@gmail.com

EDUCATION

Claremont McKenna College

GPA: 10.875

Enrolled in the 3+2 major at CMC, currently pursuing a BA in Economics and Engineering from Claremont McKenna College, and intending on earning a BS in Computer Science from an engineering school in the last 2 years of the program.

Claremont, CA

Sage Hill and Laguna Beach High School

GPA: 3.973. SAT 1490. AP Scholar. AP with WE Service Recognition.

Won two top 20 in North America finalist awards in Spielberg's film-your-charity contest from his Shoah Foundation and 3rd place in an international film festival. Our movie taught kids empathy through the art of storytelling. Warner Brothers Chairman Kevin Tsujihara awarded us a meeting to investigate a partnership and Consul Mahendra Yahya of Indonesia asked us to submit a request to name our own island as our kid "secret agent" headquarters. Won Scholastic's gold key and for poetry and three silver keys for poetry and short story. Wrote three children's books to generate compassion for Syrian refugees, kindertransport kids, and animals in the food industry. One of the founding members of Emagination Island, the world's first learning adventure park built by kids to inspire and teach them to imagine a better world and solve problems that matter to them now.

Orange County, CA

WORK EXPERIENCE & EXTRA-CURRICULAR ACTIVITIES

2020-present

5C HACKS HACK WEEK ARBITER, MEDIA MANAGER, & WEB DEVELOPER

Virtual

- Organized the Fall 2020 5C Hacks Hack Week, a week of workshops for 5C Hacks participants; conducted outreach to over 100 esteemed professors, graduate students, and professionals to recruit them as workshop hosts.
- Managed social media accounts for the hackathon and its corresponding hack week, yielding participation by hundreds of students.
- Assisted in revamping and developing the 5C Hacks website.

2020-present

WOMEN'S ASSOCIATION OF COMPUTING MACHINERY LEADER

Virtual

- Inspired dialogue about the current treatment of and circumstances for women entering tech fields, with the aim being to educate women pursuing all majors and careers, provide a space for women in tech to collaborate and network, and advance these women's educational and professional success.

2016-2017

MISSION KIDZ4LIFE INTERNATIONALLY AWARD-WINNING FILMMAKER

Worldwide

- Crafted three movie scenes in a 15-minute movie and edited the entire project, which included scenes crafted by 15 other kids. This film ended up being one of 20 finalists in North America for Steven Spielberg's IWitness contest sponsored by his Shoah Foundation and Discovery Education
- Warner Brothers Chairman Kevin Tsujihara offered us a meeting with his Corporate Responsibility Department
- Consul Mahendra Yahya of Indonesia asked us to submit a request to the Consulate to name our own Indonesian island as our MissionKidz4Life "secret" headquarters. Our plan was to have our own stamp, currency, flag, and more. See MissionKidz4Life.com
- Won 3rd place in the My Hero International Film Festival. Film screened in Los Angeles

2003-present

PUBLISHED NATIONALLY AWARD-WINNING WRITER

Worldwide

- Won top 20 in North America for Spielberg's contest with my individual submission, *Nina and Benjy Make Bean Stew*, a children's book I wrote about a teddy bear who boards kindertransport, the Jewish refugee train organized by a shy British stockbroker after Kristallnacht. Through the tale of a girl and her bear, children learn what occurs when a bully such as Hitler rises to power, and how they can be kind to those who are different. I asked schoolchildren to illustrate the first edition of my book so they would make the story theirs. My book was featured at the Anti-Defamation League's Annual Gala.
- Won Scholastic's gold key for poetry (6.5% of 331,000) and three silver keys (8.5% of 331,000) for poetry and short stories (2016)

2017-present

APP DEVELOPER & DESIGNER

Worldwide

- Spent a summer learning Swift and programmed and designed an app in Swift which is available for download on the iOS app store; Quoo creates a forum for high school students worldwide to connect and collaborate on classes

Marketing Intern
Summer 2016

MASIMO CORPORATION

Irvine, CA

- Created influencer marketing campaign for pulse oximeters with Olympic athletes
- Photographed two Olympic cyclers in studio and outdoors for our campaign
- Re-designed and programmed a more user-friendly website

Noah Cabral

noah.cabral@queensu.ca · 905 580 5316 · ncabral.ca



EXPERIENCE

- **QMIND, Queen's University**

Design Team Member

Used Tensorflow to write a CNN and a GAN, both trained against the MNIST dataset. Did literature review with respect to Generative Adversarial Networks and 3D Pointclouds.

Fall 2020 - Present

- **Britnell Ventures Inc, Oakville, ON**

Warehouse Associate

Used Vue and Electron JS to build small GUI tools that increased the efficiency of warehouse and HR operations. Wrote a Python script to oversee the placement of roughly half the product in the warehouse, optimizing time spent fulfilling orders and receiving product.

Summer 2020

EDUCATION

BASc, Engineering Physics, Electrical Engineering Specialty

Queen's University, Kingston, ON

Activities and Societies: QMIND, QSET, QSS, EngLinks, Soul Food

2019

High School Diploma

St. Thomas Aquinas, Oakville, ON

Activities and Societies: President and Founder of Computer Science Club, Member of Chess Club, Intramurals: Cross Country, Track and Field, Rugby, Dragon Boating

2019

AWARDS & RECOGNITION

- **Dean's Scholar**

Queen's University

3.93/4.3 - CGPA

2019 / 2020

- **ECOO Programming Contest**

Educational Computing Organization of Ontario

Placed 2nd in 2019 and 3rd in 2018 (at the board level)

2018 / 2019

SKILLS

- **Technologies**

C/C++, Python, Javascript ES6, HTML/CSS, React JS, Gatsby JS, Tensorflow, Vue JS, Electron JS, x86 Assembly, OpenGL, Linux/Bash

- **Patterns & Practices**

Object Oriented Programming, Functional Programming, Procedural Programming

- **Other**

- Teamwork abilities developed through many design teams
- Time Management as demonstrated through high GPA alongside many extracurricular activities
- Great initiative as demonstrated through going above and beyond in all aspects of life, specifically in my role at Britnell Ventures
- Excellent independent learning skills through the many personal projects I have built

PROJECTS

- **PokemonDemo**

[github.com/BluBloos/pokemondemo]

Top-down, RPG game demo in the style of Pokemon.
C/C++, Win32 API

- **PlasmaCompiler**

[github.com/BluBloos/plasmacompiler]

Transpiler to convert C source to x86 assembly.
Python, x86 Assembly

- **PersonalWebsite**

[github.com/BluBloos/Personal-Website]

My personal website.

Javascript ES6, HTML / CSS, React JS, Gatsby JS

- **PongGL** [github.com/BluBloos/pong-gl]

Classic arcade game, pong, implemented in OpenGL.
C/C++, OpenGL, Win32 API, Python

PETER GELGOR

peter.gelgor@trainwithodys.com | 647-459-5994 | <https://www.linkedin.com/in/peter-gelgor/>

EDUCATION

| | |
|--------------------------------------------------------------------------------------|-----------------------|
| Bachelor of Computing: Software Design , Queen's University, Kingston, ON | 2019 – Present |
| Ontario Secondary School Diploma Crestwood Preparatory College, Toronto, Ont. | 2017 - 2019 |
| • Ontario Scholar 2019 • Nominee of Schulich Leaders Scholarship for 2019 | |

PROFESSIONAL EXPERIENCE

| | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| Founder/Lead Systems Manager/Head of Front-End Development , Odys Inc | Fall 2020 - Present |
| • Directly accountable for the secure handling of file transfers, and server management • Lead a team of developers and designers for Front-End Development | |
| Program Facilitator , CreationCamp | Fall 2020 - Present |
| • Organized and created lessons about software development to be taught by schoolteachers • Facilitated in class lessons on the same subjects • Work directly with the Hamilton District School Board to curate lessons that are tailored to the student's abilities and needs | |
| Coding Instructor , Real Programming 4 Kids | Summer 2020 |
| • Taught kids aged 12 – 16 Java • Worked with various frameworks and tools, including Swing and Android Studio | |
| Coding Instructor , Kids Code Jeunesse | Summer 2020 |
| • Taught kids aged 7 – 12 Scratch and Python • Used Python's Turtle and Scratch to code simple games | |
| Sailing Instructor , Camp Winnebagoe | 2018 – Present |
| • Taught kids aged 9-16 to sail • Was the assistant head of the program | |
| Ski Instructor , Georgian Peaks Ski Club. | 2016 – Present |
| • Taught kids aged 2 – 14 to ski • Level 2 CSIA certified | |

EXTRACURRICULAR EXPERIENCE

| | |
|----------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| Queen's University 2-Hacks 2nd Place Winner | February 2021 |
| Constituency Youth Council | 2016 – 2018 |
| • Advocated for issues relevant to youth in the St Paul's Toronto Riding • Went to events with people from all levels of government | |
| Student Teacher , Holy Blossom Temple | 2018 – Present |
| • Helped organize and facilitate lessons and activities for kids aged 7-9 | |

ADDITIONAL INFORMATION

- Proficient in Java, Python, C#, HTML5, Bash, C, CSS3, and JavaScript
- National Lifesaving Society NL Certification
- Canadian Ski Instructors Association Level 1, Level 2 Certification
- Technical: Microsoft Office Suite (Word, PowerPoint, and Excel)

PHOEBE TAN

phoebe.tanhp@gmail.com | +1 (613) 915-9610 | www.linkedin.com/in/phoebetanhp

EDUCATION

- Sept 2018** **Bachelor of Applied Science: Mechanical Engineering**
- *Queen's University - Kingston, ON*
- May 2023**
 - GPA: 3.80 out of 4.30; Dean's Honour List 2018-2020
 - Relevant Coursework: Engineering Graphics, Electric Circuits & Motors, Mechatronics, Manufacturing Methods

WORK EXPERIENCE

- Sept 2019** **Course Development Specialist**
- *Queen's Faculty of Engineering, Kingston, ON*
- Present**
 - Developing and testing engineering courses for undergraduates
 - Improving the content and layout of courses through feedback and focus groups
- May 2020** **Gait Measurement System Research Intern**
- *Queen's University Ingenuity Labs, Kingston, ON*
- Sept 2020**
 - Designed and developed a low-profile multi-sensor wearable system that records human gait motion, eye movements, and heart rate in varying environments
 - System successfully measured and wirelessly transmitted data and was adopted as the beta version for future iterations
- May 2019** **Hydrogen Storage Research Intern**
- *Hydrogen In Motion, Vancouver, BC*
- Aug 2019**
 - Awarded the inaugural Women in STEM Internship from a specialized company developing graphene based, solid-state nanomaterial for hydrogen storage
 - Used Python to build 3D theoretical models of nanomaterial to perform quantum simulations
 - Developed Python scripts for pre and post processing of vibrational analyses

TECHNICAL SKILLS

- Proficient in Python, C, C++, MATLAB, SolidWorks, and AutoCAD
- Adept in full range of Microsoft software

REFERENCES

Available upon request

PHOENIX LIU

 phoenixanaisliu@gmail.com  1-778-929-7942  phoenixanaisliu  phoenixthefirebird

EDUCATION

University of British Columbia

Expected June 2023

Bachelor of Applied Science – Second-Year Computer Engineering

- Key Courses: Introduction to Computation in Engineering Design, Principles of Software Construction, Basic Algorithms and Data Structures, Applied Machine Learning

TECHNICAL SKILLS

- Languages: Java (proficient) • Python • C\C++ • JavaScript/ES6+ • C • HTML
- Tools: IntelliJ • Visual Studio • Visual Studio Code • GDB • GitHub • PyTorch • React • Linux command • Gradle • JUnit • ANTLR • Docker • Selenium • MATLAB • Microsoft Office

ENGINEERING STUDENT TEAMS

UBC Unmanned Aircraft System

September 2020 – Present

Software Sub-Team Member

- Improved efficiency of telemetry control software by eliminating 0.5 second latency (**Django** framework)
- Provided code reviews and collaborated in a team environment with **Git** and utilize continuous integration for pipelined testing
- Bridged Ground Command **React** frontend and Air Command **Flask** backend (two most important code bases) to ease mission planning

UBC Formula Electric

October 2019 – March 2020

Wiring Harness Sub-Team Member

- Collaborated with peers to **document** wiring circuit design for an electric race car with RapidHarness, eliminating opportunities for misinterpretation
- Spearheaded **improvement of team communication** by designing a Trello board and facilitating its adaptation, increasing efficiency of team and completeness of documentation process
- Maintained and expanded **sponsor relations**, secured 6 pieces of busses for the team, ensuring project progress

PERSONAL PROJECTS

Battlesnake

November 2020 - Present

- Designed and optimized Battlesnake strategy to participate in the Battlesnake contest (**Python** codebase)
- The snake aims to eat the most food, avoid eating itself, as well as blocking competing snakes
- Exploring prediction algorithm with Machine Learning

Scheduler, Productivity Tool

October 2020 - Present

- Implemented a mini **Java** program with three simple strategies to facilitate personal time management
- Created a **Java GUI** with JFrame for the app to practice front-end design
- Writing a web-based frontend for the app using **JavaScript** and **HTML**

Selenium Browser Automation

HackCamp 2020

- Automated shopping process in the scenario of a popular product release, sped up click 3x compared to a human operator (**Selenium** binding in **Python virtual environment**)

IN-CLASS PROJECT

WikiMediatorServer

December 2020

- Implemented and tested basic wiki query functions in WikiMediator, using a finite-space finite-time buffer for **caching** to offset slow network request
- Designed and optimized **thread-safe** usage logging functionalities for WikiMediator
- Created a server wrapper for WikiMediator capable of handling a user-specifiable level of **concurrency**
- Developed a structured query functionality to enable complex and nested queries (**ANTLR** and **parse tree**)

INTERESTS & ACTIVITIES

- Cutting-edge technology development, especially in quantum computing and high-level programming tools
- Covering songs
- Member of UBC A Capella Club in first year
- Professional development and entrepreneurship
- Weightlifting

PRANJAL K. BAJARIA

A-801, Pragya Appts, New Delhi, India · +91 9818823803

pranjal.bajaria@gmail.com · www.linkedin.com/in/pranjal-kumar-764b5b119 ·

<https://github.com/PranjalkBajaria>

Second-year student at University of Toronto pursuing a Computer Science and Data Science Specialist degree. Interested in machine learning, computer vision, computer graphics, NLP, and virtual reality.

EXPERIENCE

SEPTEMBER 2020 – CURRENT

PROJECT DIRECTOR, UNIVERSITY OF TORONTO MACHINE INTELLIGENCE STUDENT TEAM (CLUB POSITION)

Responsible for managing a team of 6 people working on a Neural Style Transfer project, including making scheduling and conducting regular meetings and maintain a channel of communication between team members and club directors.

EDUCATION

MAY 2018

CENTRAL BOARD OF SECONDARY ED. INDIA, B.B.P.S DWARKA

Cumulative Score – 97/100 (Subjects: English, Math, Computer Science, Physics & Chemistry)

APRIL 2023(EXPECTED GRADUATION DATE)

COMPUTER SCIENCE SPECIALIST, UNIVERSITY OF TORONTO, ST. GEORGE

Current GPA – 3.97/4.00 (Included in Dean's list for Fall 2019 and Winter and Summer 2020)

SKILLS

- Proficient in Python, Java, C++ and working knowledge of Assembly and R.
- Knowledge of Python's scientific libraries i.e., Numpy, Pandas, Matplotlib, Seaborn etc.
- Experience with Tensorflow, Keras and Pytorch for machine learning.
- Good leadership, decision making, and communication skills.
- Experience in UI building using JavaFX and Java Swing

ACTIVITIES

- I was Blue Crew Student volunteer from 2018-2020 and volunteered in various campus events for a total of 20 hours.
- First year representative at Hindu Student Council from 2019-2020; helped organize various cultural events at UofT.
- General Executive at UofT AI; contribute to club events by attending meetings and events.

Qinyu Hou
311 Queen Street Unit 302, Kingston, Ontario
18qh10@queensu.ca
(343)333-0981

Summary of Skills

- Enthusiastic and charismatic upcoming second year student with a passion for machine learning, math and project management
- Applied science (student, Queen's University)
- Ability to use Excel, Word, MATLAB, Fusion 360, Arduino, Python
- Ability to analysis data, make prototype, editing video
- Attention to detail
- Problem solving
- Ability to maintains a neat and organized area
- Good at counting
- Ability to speak two language (Mandarin and English)

Volunteer/Work Experience

Mandarin Teacher

84 Metcalfe Ave, Kingston, ON

September 2017 – June 2019

- Communicate well with students.
- Ability to clearly express concepts and knowledge.
- Provided various teaching plans to meet clients' needs.

Stage Crew

High school LCVI, Kingston, ON

November 2018

- Coordinate with actors and team managers.
- Help decorate stage.
- Help organize the stage order.

Volunteer in YMCA

100 Wright Crescent, Kingston, ON

April 2017 – June 2017

- Take care of children with patience and enthusiasm.
- Design fun games for kids with creativity.

Education

Bachelor of Applied Science

Queen's University, Kingston, ON

September 2019 -- Present

Queen's University Excellence Scholarship

High School Diploma

Loyalist Collegiate and Vocational Institute, Kingston, ON

June 2019

Graduating Average: 93%: Honour Roll

Standout on Grade 12 Advanced Function

Standout on Grade 12 Calculus

Award

Most Implementable winning team for How to Change the World

August 2020

RENAY RAHMAN

Honours B.Sc. Integrated Sciences Candidate, University of Western Ontario

renayrahman8@gmail.com • (289) 681-1317 • Oakville, ON

SKILLS

| | | |
|--------------------|-------------------------|---------------------|
| Python Programming | Excel and Data Analysis | Team Player |
| Ruby on Rails | Event Management | Problem Solver |
| Node & React.js | Report Writing | Independent Learner |

EXPERIENCES

TD's Secure Code Warrior Coding Camp, Camp Participant July 2020

- Improving cyber security practices by focusing on embedding security measures from the start to prevent future bugs in code
- Built awareness in recognizing insecure code under Node.js and Python programming formats through hands-on exercises
- Completed 53 exercise modules within the 7 day window of the camp

Sick Kids Hospital, Paediatric Volunteer Aug 2019

- Facilitated the care of over 20 paediatric patients to ensure comfort equally across the ward
- Managed communication of patient information by routing requests to health care staff, while maintaining confidentiality
- Responsible for keeping up to date patient records at all times to minimize operational overhead when contacting families, as well as staff schedules through spreadsheets
- Taking initiative at the administrative desk when main health care staff are on leave or occupied with another task

BeyondSTEM, Robotics Instructor Aug 2018

- Taught a class of 10 students the basic of programming, technology design and quality insurance
- Assessed the progress of students' skills and provided feedback for students to encourage marginal progression daily
- Promoted group collaboration and student participation in class discussions to develop skills such as teamwork and initiative

PROJECTS

Music Genre Classifier, <https://wai-music-genre-classification.herokuapp.com/> Sept 2020 - Jan 2021

- Worked with four UWO students to create an artificial neural network that placed third in Western AI's Gideon Competition
- Created an artificial neural network that predicts the genre of a music file using the k-nearest neighbour algorithm with 68% accuracy
- Help train and test data to create a model that classifies songs into their genre with 68% accuracy
- **Programming languages and frameworks:** Python, HTML, CSS, Flask

Ronan Almeida

📞 (647) 550-2059 | 📩 ronan.almeida@queensu.ca | 🌐 <https://ronan.tech> | 🌐 [/RonanAlmeida](#) | 💬 [/in/RonanAlmeida](#)

Education

Queen's University

Bachelors of Computing (Honours) in Computer Science

Kingston, ON

Class of 2022

- Queen's Excellence Scholarship, Deans Honours List, Cumulative **GPA: 4.0/4.3**
- Relevant Coursework: Data Structures, Object Oriented Programming, System Level Programming (Bash, C), Data Analytics

Skills

Languages: Python, Java, JavaScript, C#, SQL, HTML, CSS

Technologies: Git, Node.js, React.js, Express.js, Django, Flask, Azure, Firebase, REST API, JQuery, JavaFX, JUnit Testing

Experience

Two Rings Media

Software Engineer Intern

Toronto, ON

May. 2020 - Present

- Developed a data analytics SaaS **Django web application** that serves financial analysts interactive data insights and asset reports.
- Utilized existing pipelines to retrieve **100,000+ records** from **Azure**, preprocess and clean data frames in **Python**; then create data visualizations in **JavaScript**.
- Redesigned web-app's UI/UX to be cross-platform responsive using bootstrap and optimized network requests which resulted in reduced feature load times by **40%**.

QMIND (Queen's AI Hub)

Software Developer

Kingston, ON

Sept. 2019 - Apr. 2020

- Worked in a design team of five other developers to build a data dashboard web application for a business client.
- Built multiple data exploration & visual graphing features from client datasets utilizing **Python** and the **D3.js** library for **JavaScript**.
- Presented the application at the Canadian Undergraduate Conference of AI to **100+** industry professionals and secured group funding exceeding **\$10,000**.

Projects

Reddit Stock App

Python · Flask · React.js

[View Project](#)

- Created a Web app that uses the **Reddit API** to scrape stock related subreddits and classify post submissions in order to generate an organized report for the top stocks.
- Implemented by making backend **Flask** API end points that serve the processed stock data to the client-side **React.js** front-end.

Spotify Higher or Lower

Node.js · React.js

[View Project](#)

- Developed a full-stack web application that uses the **Spotify Web API** to compare two different albums, artists or songs using React and Node.js.
- The application makes a backend **API request** to the Spotify server which retrieves profile information, images, and statistics to be processed and be displayed within the app.

Student Admin System

C# · Windows Forms

[View Project](#)

- Created a student database manager that allows teachers to modify, add and delete student information within a classroom.
- The windows application is connected through an Access Database which utilizes varying SQL queries to alter student information.

Leadership

DPCDSB School Board

Robotics Instructor

Toronto, ON

Feb. 2019 - Mar. 2019

- Part of an initiative to bring more students into technology by educating the use of EV3 Mindstorm Robotic Kits to **30+** elementary students and five different schools.
- Taught students basic programming fundamentals, debugging techniques and team building exercises.

Ryan Turnbull

Email: ryanturnbull@gmail.com

Phone: 416-317-9446

Dual Canadian and American Citizen (Eligible to work in the US)

Education

Queen's University, Kingston, ON

(2019-Present)

- Current Second Year Engineering Student graduating in 2023 pursuing a Bachelor of Applied Science
- Studying Applied Mathematics and Computer Engineering
- Dean's Scholar in 1st and 2nd term of 1st year
- 4.0 GPA in 1st semester of Second Year
- Cumulative 3.9 GPA

Crescent School, Toronto, ON

(2013-2019)

- Graduated with a 94% average

Coding Skills

Object Oriented Programming

- I have experience with the principles of Object-Oriented Programming
- Proficient in Java, scoring a 5 out of 5 on the AP Computer Science Exam

Proficient in C

- 2 Courses in University on Information Structure

Proficient in Python

- Experienced using Python for machine learning applications as a QMIND design team member

Work Experience

Englinks Tutor, Queen's University, Kingston, ON

(2020-Present)

- Tutor for first year engineers in Programming, Calculus, and Chemistry

SALT. Fine Jewelry, Toronto, ON

(2020-Present)

- Part Time Position: Manage spreadsheets and data including pricing, inventory, sales, and profit analysis for private jewelry company with sales in Canada and the US

KBIA, Kennebunk, ME

(2016-2020)

- Summer Camp Tennis Instructor for kids aged 4-14
- Gained experience working with and managing others
- Promoted from junior instructor to senior instructor in charge of lessons and staff

Additional Experience

QMIND Design Team Member

(2020-Present)

- Queen's Machine Intelligence and Neuroevolution Design Team
- Design Team creating customized AI and Machine Learning solutions for organizations
- Working with a small team using AI and Computer Vision to analyze the actions of an interviewee during a formal interview.

High School Prefect

(2018-2019)

- Member of 15-person prefect team tasked with managing student body and organizing events

Cross Country and Track and Field Captain

(2018-2019)

Samuel Orr
179A Colborne St, Kinston, ON K0K 3E0
6138278284
18slo1@queensu.ca

SUMMARY

Second Year Computer Engineering student with a passion for software development.

COMPUTER SKILLS

Languages

- C, Java, MATLAB

Software

- Windows, Office, Solidworks, Altium, Github, Arduino
-

EXPERIENCE

Electrical Team Member

Sept 2020 - Present

Queens Formula SAE Design Team

- Worked on PCB designs using Altium
- Consistent use of Github to transfer files
- Worked with a team to build and design deliverables

Hospital Screener

April 2020 – August 2020

Quinte Health Care

- Screened both staff and public during the COVID-19 Pandemic
- Organized deliveries and workspace
- Communicated with staff to ensure there was a mutual understanding of what was occurring

Orientation Leader

May 2020 - Present

Queen's University

- Helped facilitate first year engineering students transition into university
 - Use of software such as Zoom and Bounce to provide virtual frosh week
 - Serve as mentor and resource over the course of the first year students university career
-

EDUCATION

Queen's University

Sept 2019 – Present

Kingston, ON

- Bachelor of Engineering and Applied Science – Computer Engineering

Enrolled in courses including Computer Architecture, Project Oriented Programming and Data Structures and Algorithms

SARAH NASSAR

18sbn@queensu.ca

TECHNICAL SKILLS

- ❖ Can code in Java, C, and MATLAB
- ❖ Learning to code with Python
- ❖ Fluent in Microsoft Word, Excel, and PowerPoint
- ❖ Experience with SOLIDWORKS, IBM SPSS, and LaTeX
- ❖ Has DELF B2 diploma

SOFT SKILLS

- ❖ Values active listening and effective communication
- ❖ Aims to approach problems analytically and optimistically
- ❖ Practices dynamic leadership skills
- ❖ Realizes the importance of organization and good time management

AWARDS

- ❖ First place in Kingston Brain Bee 2019
- ❖ First place in Youreka Kingston Symposium presentations in 2019

EDUCATION

Queen's University

September 2019 - Present

- Bachelor of Applied Science (BASc) – Computer Engineering

Kingston Collegiate and Vocational Institute (K.C.V.I.)

September 2015 - June 2019

- Ontario Secondary School Diploma (OSSD)

RELEVANT COURSEWORK (QUEEN'S UNIVERSITY)

Design Project (APSC-100: Module 3)

January - April 2020

- Developed a mobile application to aid students with recycling
- Worked with a team to deliver quality work to the client, Queen's University Experimental Sustainability Team (QUEST)

Introduction to Experimentation (APSC-100: Module 2)

September - December 2019

- Designed and conducted experiments related to physics, electricity, and chemistry
- Ran statistical analyses on data and presented findings in multiple forms

Engineering Practice (APSC-100: Module 1)

September - December 2019

- Designed and iterated a prototype Hyperloop
- Worked in a team effectively and applied leadership skills
- Prepared project reports to showcase work

EXTRACURRICULAR ACTIVITIES

Queen's Machine Intelligence & Neuroevolution Design (QMIND)

September 2020 - Present

- With a team, developing an image segmentation program to identify geographic structures from aerial forestry images, such as tree cut blocks and roads
- Working with the MrSID file format, Python, and convolutional neural networks (CNNs)

September 2019 - May 2020

- With a team, developed a news summarizer using Artificial Intelligence (AI) concepts, neural networks, and machine learning
- Wrote and published an article describing the text summarizer in "Proceedings of the Canadian Undergraduate Conference on Artificial Intelligence"

Youreka Program Investigator

February - May 2019

- Researched a cancer type and performed statistical analyses on patient gene data to find correlations between certain genes and life expectancy

Kingston Member of Parliament Youth Council

December 2018 - June 2019

- Engaged in discussions and brainstormed ideas to enhance community prosperity

SCOTT JUSTASON

905-577-7488

18SMJ3@QUEENSU.CA

Extra-Curriculars

- Organized a leadership camp for 40 students (2018)
 - Ran team building activities and delivered seminars on leadership skills.
- Volunteer at Providence Care Hospital in Kingston (2019)
 - I am a member of the Chess & Health club where we play chess and socialize with patients to improve their mental health
- Varsity football quarterback and captain (2017, 2018)
- Varsity volleyball team (2018)
 - I am a great leader and team player

Relevant Work Experience

- **Student Worker at Mantecon Partners Inc. (Engineering Firm)** (2019)
Work included: restructuring filing system, proposal development, CAD markups
What I learned from this job: Organization, time management, and teamwork
- **Tree Planter for Summit Reforestation** (2020)
Extremely difficult physical and mental work.

Education

- B. Sc.(Eng) Candidate, Class of 2023, Queen's University

Awards & Accomplishments

- 1st overall rookie tree planter for Summit Reforestation (2020)
- Aramark Leadership Award (2019)
 - Presented to a student who demonstrates strong leadership traits
- Honour Roll every year in high school (graduated with 96% average)
- Participated in the Waterloo Math Contest and achieved a certificate of distinction (top 10% in Canada) (2016, 2017, 2018)

Sophie Chu

Waterloo, Canada | (647)-819-6324 | sophie.chu@uwaterloo.ca | linkedin.com/in/sophiechus/

EDUCATION

University of Waterloo

Bachelor of Arts, Honours Economics and Business, Co-op

Waterloo, Canada

Expected: January 2024

- **Cumulative GPA:** 3.9/4.0; Dean's Honours List for all terms
- **Awards:** 2020 JAG Economics Scholarship (highest major cumulative average); Merit Entrance Award
- **Relevant Coursework:** Accounting, Micro/Macroeconomics, Statistics, Business, Entrepreneurship
- **Activities:** Joint VP at UW Finance Association; Residence Ambassador Tour Guide

WORK EXPERIENCE

Applied Brain Research Inc.

Remote work (Canada)

Market-Entry Analyst

Jan. 2021 – Present

- Strategize commercial targets and analyze cost-benefits of providing solutions to prospective clients
- Conduct independently competitive analysis, extensive market research, and prepare presentation decks to evaluate findings with the executive team
- Synthesize and show attention to detail to clients' ideas from meetings to comprehend their needs

Reebee Inc.

Remote work (Canada)

Content Marketing Intern

Jun. 2020 – Aug. 2020

- Increased the website's traffic by 9.6% and SEO ranking by 25% by writing optimized blog articles
- Self-learned and created Search Engine Optimization (SEO) strategies based on competitive analysis
- Tracked performance metrics on MS Excel and prepared weekly reports to evaluate strategies

Varidus

Remote work (Singapore)

Analyst, CEO's Office, Investment and Start-up Growth Analyst Team

May 2020 – Aug. 2020

Selected Project Experience:

- **Varidus Prospective Venture Capital Fund (Internal)**
 - Led a team of 12 to analyze potential tech start-up investments and reach out to their founders; created the prospective VC fund's deck presentation and financial model for limited partners
- **Hong Kong AR/XR Wearables Company Business Development (Client)**
 - Managed client relationships directly to generate and negotiated two strategic partnerships deals; resulted in the expansion of their market to the Latin American Mining and Education industry
- **Swiss Aeronautics Consulting Company Investor Presentation Deck (Client)**
 - Conducted market research and competitive analysis; communicated with the client directly to prepare an investor deck for capital raising; recognized as exemplary work done in two weeks

PROJECTS

Entrepreneurship Strategist

Nov. 2020

- Led and overlookead a team of 6 to ideate, strategize, and present a complete business plan
- Forecasted financial statements and applied financial concepts to project growth rates and ROIs

StarterHacks MLH Competitor

Jan. 2021

- Led the business strategy and cooperated with 4 programmers to develop a solution within 24 hours that optimize non-conflicting course schedules based on professor ratings and time preferences
- Self-taught Figma and Adobe Illustrator to design creatively the prototype and interface of the website

SKILLS AND INTERESTS

Languages: Spanish (Native); Mandarin and Cantonese (Conversational Proficiency)

Certifications & Training: Excellent MS Office skills; Intermediate-level Excel; SEO

Interests: Learning about investments and different industries; Staying up to date with businesses and ventures; Cooking and baking for friends; Dancing Latin Zumba; Filming and editing videos



SPENCER HILL

(705) 768 – 9219 | 18sjch@queensu.ca



EDUCATION

JUNE 2023

BACHELOR OF APPLIED SCIENCE CANDIDATE, QUEEN'S UNIVERSITY, GPA: 4.3/4.3

Second-year Mathematics and Engineering (Computing and Communications stream) student.

Completed Coursework: real analysis, differential equations, advanced calculus, algebraic structures, linear algebra, data structures and algorithms, and object-oriented programming.

Skills: Python, C, Java, MATLAB, SOLIDWORKS, TensorFlow, Technical Writing.

JUNE 2019

ST. PETER'S CATHOLIC SECONDARY SCHOOL

High school graduate with a 99% culminative average.

EXPERIENCE

RESEARCH DESIGN TEAM MEMBER, QMIND, 2020 – 2021

Member of a research team conducting machine learning research into the generation and manipulation of novel human figure point clouds using GAN networks.

PRE-WEEK COORDINATOR, ENGINEERING ORIENTATION WEEK, 2020 – 2021

Responsible for planning and executing Pre-Week training for over 250 student leaders, which involved managing a \$10 000 budget and numerous external stakeholders.

ONTARIO ENGINEERING COMPETITION EXECUTIVE COMMITTEE, 2020

Junior Design Competition Director for the 2021 Ontario Engineering Competition. The full term of this position was not completed due to COVID-19 restrictions.

JUNIOR STAFF, RED PINE CAMP, SUMMERS 2018 – 2019

Worked in the Junior Program and Family Program departments, which meant coordinating with 50 other staff members to organize and run activities for children and adults.

LIFEGUARD AND SWIMMING INSTRUCTOR, YMCA PETERBOROUGH, 2018 – 2019

NOTABLE ACCOMPLISHMENTS

ANDREW MCMAHON STANDARDS OF EXCELLENCE AWARD

Awarded by a selection committee to a single first-year engineering student on the basis of academic achievement, strong interpersonal skills, a commitment to excel in all aspects of university life, and high personal standards.

JUNIOR DESIGN 2ND PLACE, 2021 ONTARIO ENGINEERING COMPETITION

Placed first at the Queen's Engineering Competition and by placing second qualified for the Canadian Engineering Competition in late February 2021.

WILLIAM AND BEATRICE ALDER SCHOLARSHIP

Recipient of one of two awards given to students entering the second year of Mathematics and Engineering or Engineering Physics who have obtained First Class Standing.

ROYAL CONSERVATORY OF MUSIC GRADE EIGHT PIANO CERTIFICATE

ST. PETER'S SECONDARY SCHOOL ADVANCED PLACEMENT ENGLISH AND MATH AWARDS

Stanley Z. Hua

UNDERGRADUATE · ASPIRING BIOINFORMATICIAN

Toronto, Ontario, CA

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“Compare yourself to who you were yesterday, not to who somebody else is today.”

Education

University of Toronto

Toronto, Canada

H. BSc. IN BIOINFORMATICS AND COMPUTATIONAL BIOLOGY

Sept. 2019 - PRESENT

- GPA: 3.85/4

Skills

| | |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Programming | Python, R, Linux Shell, SQL, MATLAB, LaTeX, HTML, CSS |
| Technical Skills | Data Wrangling, EDA, Shiny Dashboard, Web Scraping, Clustering, Regression, Classification, Dimensionality Reduction |
| Libraries | Python: pandas, numpy, matplotlib, tensorflow, sklearn, PIL, cv2, tkinter, xgboost R: tidyverse, dplyr, ggplot2, blogdown, rvest, knitr, shiny, flexdashboard |
| Languages | English, Filipino |

Experience

Undergraduate Research, Tyrrell4Innovation Lab(Prof. Pascal Tyrrell)

Toronto, Ontario

RESEARCHER FOR <DEEP LEARNING IN MEDICAL IMAGING STUDIES>

Aug. 2020 - PRESENT

- Determined a new method for selecting the number of principal components to keep from Principal Component Analysis (through Cluster Analysis of Convolutional Neural Network (CNN)-extracted image features).
- Prepared and preprocessed 3D structural MRI images of brains using popular libraries (ANTs and FSL) for use in a classification of Multiple Sclerosis or Vasculitis.
- Assisted in a literature review for studies involving multi-modal deep learning models that use ultrasound.

Projects

AllRecipes Web Scraper

Online

PERSONAL PROJECT

Sept. 2020 - Sept. 2020

- Created a R ShinyApps web tool for scraping recipes from AllRecipes.com.

Undergraduate Big Data Challenge 2020

Online

COMPETITOR

May. 2020 - May. 2020

- Carried out exploratory data analysis on a time series of COVID19 case fatality rate in countries around the world.
- Identified a increasing linear trend of case fatality rate over time in Southern Europe countries.

NewHacks 2020

Toronto, Ontario

COMPETITOR

Mar. 2020 - Mar. 2020

- Designed a small device that directs itself to the direction with the least obstruction, as a tool for assisting blind persons.

RANZCR CLiP Challenge

Toronto, Ontario

KAGGLE COMPETITOR

Jan. 2021 - PRESENT

- The goal was to create a model to diagnose chest x-rays for improperly placed/imaged catheters.
- To answer this multi-label problem, tested and tuned pre-trained models (i.e. EfficientNetB4, ResNet50), as well as model architectures for predicting multiple labels.
- Participated with four other members from the UofT LearnAI20 cohort.

SIDDHARTH SHARMA

ingsiddharth@gmail.com | +1-343-333-1782

EDUCATION

BASc. Computer Engineering, Faculty of Engineering and Applied Science, Queen's University, Kingston, ON 2019 – Present

- Computer Engineering Innovation Stream with Entrepreneurial Business.
- Relevant Courses – Computer Programming for Engineers (**C**, **MATLAB**), Fundamentals of Information Structure (Data Structures & Algorithms, **C**), Data Analytics (**KNIME**), Object-Oriented Programming (**Java**)
- GPA – 3.16

Central Board of Secondary Education (CBSE), Delhi Private School, Dubai, United Arab Emirates 2017 – 2019

- Ignited Mind – Critical Thinking Award

PROFESSIONAL EXPERIENCE

UI Developer, QHacks – BitCoin Buddy 2021

- Developed UI using Figma for an application that hosts & conducts sentimental analysis for bitcoin using Reddit posts and tweets.

Director of Challenges, Queen's Capture the Flag 2020 – Present

- Organized jeopardy style Capture the Flag (CTF) event which involved applications of reverse engineering, steganography, cryptography, web exploitation, and remote exploitation.
- Created cryptographic puzzles that involved Vigenere cipher, Caesar cipher (including ROT13), and Enigma Machine (M4).
- Assisted in setting up AWS EC2 (Linux - Ubuntu System). Configured AWS EC2 with WireGuard and Docker.
- Collaborated with team members and utilized Zerologon to create an exploit puzzle using python.
- Promoted CTF event on social media platforms such as Facebook and Instagram. Boosting the views by over 70% and increasing the number of participants by over 3 times the initial number of participants.

Design Team Member, inQUBate – Artificial Intelligence Startup Incubator - GroBot 2020 – Present

- Launched a startup that aims at conducting sales forecasting for small to medium retail stores.
- Utilized statistical analysis to find correlations between attributes of data sets and RF regression for predictions. (KNIME)

Design Project – Data Analytics 2020

- Predicted U.S. presidential elections with an accuracy of 95% by analyzing words used in speeches.
- Utilized Multi-Layered Perceptron (MLP, Neural Networks), Support Vector Machines (SVM), Random Forests (RF) along simple decision trees to predict the outcome of U.S. Presidential elections. (KNIME)
- Implemented DBSCAN & K-Means to cluster data. (KNIME)

UI/UX Developer, ProfTrack – Innovation Project 2020

- Developed user interface diagrams and utilized mockups to build mockups and wireframes for android-based apps.

Design Team Member – Offensive Cyber Security, QMIND 2019 – 2020

- Implemented and trained recurrent neural network (RNN) by generating a list of cracked passwords by utilizing brute-force attack on a set of password hashes (MD5).
- Utilized generated passwords to crack more passwords by performing a dictionary attack on the hash set. Further, training the RNN by utilizing the new cracked passwords.

EXTRACURRICULAR EXPERIENCE

Tutor, EngLinks – Engineering Society, Queen's University, Kingston, ON 2020 – Present

- Tutored data structures & algorithms and object-oriented programming (C/C++).

ADDITIONAL INFORMATION

- English, Hindi (Native & Bilingual Proficiency)
- Languages – **C**, **C++**, **Java**, **MATLAB**
- Tools – **GitHub/Git**, **Terminal**, **Command-Line**, **Visual Studio**, **CLion**, **Eclipse**, **KNIME**, **Microsoft Excel**, **Microsoft Word**
- Operating Systems – Windows, Linux (**Ubuntu**)

Thomas Aubin

828 Eastbourne Ave

Cell: (343) 572-0122 Email: thomascontact12@gmail.com

Education

Bachelor Of Computer Science
Carleton University, Ottawa, ON

September 2019 - Present

Skills And Abilities

Computer Skills

Programming Languages

- Python
- Javascript
- C/C++
- Java
- Arduino C++
- C#

Hardware

- PC Assembly
- PCB Soldering
- Basic Circuit Theory and Design

Work Experience

Student Mentor

Carleton University, Ottawa, ON

August 2020 - April 2021

- Guided first-year students during their first year at Carleton to ensure a successful transition to university.
- Organized check-in meetings with students throughout the year.
- Completed weekly training relating to topics of adolescents, university transition, antidiscrimination, suicide prevention and more.

Internship

IntelliSyn Communications, Ottawa, ON

July - August 2019

- Insight into a managed service provider.
- Installation of office equipment and backup servers.
- Involved in weekly meetings.
- Constructed meeting summaries and highlights.

Extra-Curricular

Carleton Web Dev Club - Resolvé

September 2020 - Present

- Developing a website for students to post, collaborate, and run code
- Technology used
 - React
 - NodeJS
 - GraphQL
 - Docker

Thomas Mulvihill

586 Westminster Ave, Ottawa, ON, Canada K2A 2V3

(873)353-0254 | thomas.mulvihill6@gmail.com | [LinkedIn Profile](#)

| | | |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| Education | <p>Bachelor of Applied Science, Applied Mathematics and Computer Engineering Queen's University <i>Kingston, ON</i> Expected, 2023, GPA: 4.11/4.3; Designated Dean's Scholar Prominent Coursework:</p> <p>Differential Equations: This course provides an in-depth knowledge of higher-order differential equations and their real-world applications.</p> <p>Engineering Economics: This course provides the ability to incorporate economic and business practices into the practice of engineering, featuring topics such as business, enterprise economic analysis, project management, risk, assessment, and quality management.</p> <p>Information Structure: This course covers fundamentals of data structures and algorithms, providing an in-depth coverage of how to produce efficient information structures using the C language.</p> <p>Intro to Computing Science II: This course teaches Java as an introduction to Object Oriented Programming (OOP), which will be used to learn basic OOP topics, along with mechanisms for user interaction, file I/O, error handling, and writing different GUI applications.</p> | Sep. 2019 - Present |
| Technical skills | <p>Programming Languages: C, Python, Java, MATLAB</p> <p>Tools: Advanced Microsoft Office (Word, Excel, PowerPoint, Outlook). Proficiency in mathematics, linear algebra physics, and coding, accounting, SolidWorks (3D CAD software). Fluent in English and French (written and spoken).</p> | |
| Soft Skills | <p>Qualities: Strong work ethic and good time management abilities. Positive attitude and exceedingly empathetic. I have good conflict resolution skills and I am always trying my best to be outgoing and approachable. Complex problem solving abilities, developed by the nature of my degree, Applied Mathematics and Computer Engineering.</p> | |
| Relevant Experience | <p>Orientation Week Executive - Manager Queen's Faculty of Engineering <i>Kingston, ON</i></p> <ul style="list-style-type: none">Part of the executive committee in charge of organizing the Queen's Engineering Orientation Week, host to over 800 incoming students.Hired, trained, and managed 260 Orientation Week Leaders.Within four months, helped restructure all the events so that they could take place virtually while still providing an amazing transition for new students into University.Demonstrates leadership, organizational and communication experience. | Nov. 2019 – Nov. 2020 |

THOMAS SCHMIDT

18tjs4@queensu.ca

www.linkedin.com/in/tommy-schmidt

647-885-0598

Computer Engineering and Applied Mathematics Student & Motivated Contributor

HIGHLIGHTS OF QUALIFICATIONS

- C, C++, Java, MATLAB and SolidWorks programming skills
- Logic and mathematical thinking skills
- Proficient in Microsoft Word, Excel, PowerPoint, MS Project
- High achiever and strong work ethic
 - Excellent leadership qualities
 - Innovative collaborator

EDUCATION

Bachelor of Applied Science – Mathematics & Computer Engineering, Queen's University, Kingston, ON

Class of 2023

- Principal's Scholarship, Dean's Honour Roll, 4.0 GPA

Ontario Secondary School Diploma, Lorne Park Secondary School, Mississauga, ON

2019

- 97% average, Academic Honour Roll, Academic Enhanced Program

PROFESSIONAL and VOLUNTEER EXPERIENCE

QHacks Hackathon, Kingston, ON

2021

Invited Participant

- Selected out of 3000+ applicants to compete against students from over 25 different schools in hacker challenges
- Attended workshops conducted by industry leaders in software development

Queen's University Hyperloop Design Team, Kingston, ON

2019-2021

Control System's Engineer (2nd year), Chassis Design Engineer (1st year)

- Selected member of the Queen's Hyperloop competition team sponsored by SpaceX
- Part of software subteam working with Arduino's and programming in C and C++
- Modelled the shell design for our Hyperloop pod using 3D CAD software SolidWorks

Rogers Communications, Toronto, ON

Summer 2020

Field Services Engineer

- Developed and maintained data driven solutions for ongoing metrics and analyses for the installation of over 5000 electronic access control systems
- Diagnosis and upgrading of the cable access network and 5G site access with focus on automation of operational and manual processes using software tools
- Manage tasks and information flow using collaboration software in SharePoint, Moodle DB and JIRA with successful transfer of over 1000 training documents and videos

Construction and Landscaping, Parry Sound, ON

2019

Design and Labour Assistant

- Designed and constructed a 1400 square foot wrap around, cantilevered deck with glass railings
- Provided landscaping services including rock placements, sodding and planting garden beds

Lions Foundation of Canada, Mississauga, ON

2018 – 2019

Foster Puppy Program Participant

- Assisted in the development of a Golden Labrador puppy for a role as a Dog Guide
- Followed the Foundation's curriculum and procedures and presented at community events

EXTRACURRICULAR and ADDITIONAL INFORMATION

- **Software Projects:** Designed mobile recycling app using Java for City of Kingston, UX concept design for Innovation course
- **Environmental:** Involved with family bee keeping project started in 2018, that already has over 80,000 honey bees in 2 hives
- **Sport Interests:** AA Hockey Team and Assistant Captain, Lorne Park ROPSSAA Winning Rugby Team, Lorne Park Spartans Football Team, Golf Parry Sound Golf and Country Club member, Avid fisherman – OFAH member

Tiva Rait

69 Rosedale Ave K1S 4T4 | (613)-291-8966 | tivarait@cmail.carleton.ca
www.linkedin.com/in/tiva-rait

Education

Carleton University

Cognitive Science with Concentration in Cognition and Psychology.

2019 – Present

Skills

Communication skills

- Thrives when tasked with public speaking
- Desire to assist and collaborate with others
- Mentored first-year students and provided them with a person to reach out to with their struggles

Research Skills

- Summarized research in a paper published on a Carleton blog
- Scheduled weekly meetings to talk about progress
- Proficient in APA and MLA citation styles

Work Experience

Student Partner in the Students as Partners Program

Carleton Teaching and Learning Services

2020

- Partnered with a Carleton faculty member to research how to improve their First Year Seminar
- Focused research on how to adapt the course to an online setting.
- Presented ideas and research to a group of Carleton faculty.
- Wrote a paper summarizing the research which was published on the Carleton University Teaching and Learning blog

First Year Connections Mentor

Carleton Student Experience Office

2020

- Guided first-year students during their first semester at Carleton to ensure a smooth transition to university.
- Organized weekly meetings with first year students.
- Completed training relating to topics of adolescents, university transition, anti-discrimination, suicide prevention and more.

TURJA CHOWDHURY

turja.c16@gmail.com | (647) 236-7912 | Toronto, ON | linkedin.com/in/turja-c | github.com/turja-c | tchowd.com

EDUCATION

Ryerson University

May 2023

B.S. Computer Science, e-Business & French Studies Minor

GPA: 4.07/4.33

Relevant Coursework: Object Oriented Programming (Python & Java), UNIX and C, Data Structures

CERTIFICATE

Certified Scrum Master

Apr 2021

- Currently pursuing Scrum Master certification through Scrum Alliance

SKILLS

Technical: (proficient) Python, JavaScript, CSS/HTML, Java, ReactJS, Git, MySQL, C, Bash (familiar) PHP, Perl, Power BI

Design: Adobe Photoshop, Sketch, Figma and Canva

Spoken Languages: Trilingual (English, French and Bengali)

TECHNICAL PROJECTS

The Good News – Developer

Nov 2020

- Utilized ReactJS, HTML/CSS and Bootstrap to create a platform that displays positive articles about the users' local community
- Leveraged Aylien News API to gather news articles then filtered the users' location using IPStack API

MindTrack - Lead Developer

Nov 2020

- Led 4 developers to create an interactive mental health platform using JavaScript, CSS/HTML, jQuery, PHP, and MySQL
- Designed and implemented personalized user dashboard consisting of 4 features including to-do-list, calendar, quote generator API and chatbot
- Retrieved and updated information by creating custom SQL queries directly connected with chatbot

Soteria - Developer

Jul 2020

- Cooperated in a team of 4 hackers to build a full-stack web application designed to help front-line workers search for nearby housing rentals to avoid the risk of spreading COVID-19 to relatives and local community members
- Utilized Python/Django and Mapbox API to implement storage of information/images for user navigation of nearby rentals
- Applied Figma to develop UI/UX design for initial development

Refillr - Lead Developer

May 2020

- Developed an automated filing and formatting process for legal documentation designed for legal professionals
- Constructed a front-end application using Python/Flask, CSS/HTML to implement UiPath automation
- Incorporated end-to-end user interface using Sketch and fabricated logo using Canva

PROFESSIONAL EXPERIENCE

Toronto Machine Learning - Head of Digital Marketing

May 2020 – Present

- Collaborating with organizers to establish marketing strategy by integrating 8 success metrics, implementing TMILS website adjustments and regulating 6-month social media campaign
- Identifying priority areas for analytical approach based on data gathered from 12 previous events
- Increasing social media engagement by 550% across LinkedIn, Twitter and Facebook platforms through sourcing and designing of content
- Coordinating in the logistical facilitation of 1000+ attendees and 50+ speakers by resolving timing conflicts, resourcing constraints and communication channels

Optimity - Marketing Coordinator

May 2019 – Aug 2019

- Established a strong social media presence by creating 12 blogs articles about health & wellness for customers
- Organized and presented a webinar to 70+ attendees discussing mental health in the workplace
- Generated 11 weekly reports to monitor the progress of 4 campaigns increasing traction by 155%

LEADERSHIP & INVOLVEMENT

IEEE Ryerson Computational Intelligence Chapter – VP Marketing

Jul 2020 - Present

Enlight - Cohort Mentor

Aug 2020 - Present

Ryerson Google Developer Club - Event Lead

Sept 2020 – Present

QHacks - 2nd Place Overall Hack

Jan 2021

KPMG Ideation Challenge - Lead Software Developer

Jan 2021

TOHacks – Best UiPath Automation Hack

May 2020

UJAN SEN

BACHELOR OF COMPUTER SCIENCE (CO-OP)

Computer Science student looking for an internship to develop my skills as a data scientist
Available for 4 or 8 months beginning May 2021

CONTACT INFO

-  ujan.sen@carleton.ca
 613-890-5046
 linkedin.com/in/ujansen
 github.com/ujansen

EDUCATION

Present
|
2019

• Bachelor of Computer Science

- Carleton University (Second year standing, CGPA: 11.87/12 (A+))
• Recipient of Prestigious Entrance Award granted on basis of academic achievement
• Awards: David Manouchehri Scholarship for academic achievement in Computer Science 2020, Dean's Summer Research Internship 2020, Dean of Science's Honor List 2020, 2019
• Worked closely with various deep learning frameworks, programming languages, and software engineering tools during courses, research, and projects

Ottawa, Canada

Present
|
Sep
2020

EXPERIENCE

• Undergraduate Student Researcher

- Carleton University
• Working with kinematic time series data in colonoscopy surgery using deep neural networks and time series data to classify skills as expert or novice
• Implementing various deep learning architectures such as temporal convolutional neural networks (TCNs) and long short term memory networks (LSTMs) to optimize the model
• Automated data cleaning, and wrangling using Numpy and Pandas, while filling in missing data using various data interpolation methods
• Developed skills in critical thinking and writing through the research process

Ottawa, Canada

Present
|
May
2020

• Co-President

- Carleton Artificial Intelligence Society
• Encouraged the addition of new members to the community while also maintaining a high retention rate among students to increase the AI community in Ottawa
• Developed a growing network of more than 300 dedicated and passionate Artificial Intelligence and Machine Learning enthusiasts by conducting various academic events
• Created curriculum and present workshops on beginner and advanced topics of data science even during the wake of COVID-19 to ensure continued expansion and growth

Ottawa, Canada

PROJECTS

Present
|
Sept
2019

• Deep Learning

- Experimented with other various Deep Learning architectures such as GAN, LSTM, TCN, among others to increase knowledge and work on more projects
• Created small scale applications such as Text Generation, Image Caption Generation, Stock Market Curve Predictor, etc. with considerable success
• Self-learned and practiced said architectures, while identifying ways to optimize performance

Aug
2020
|
Jun 2020

• Story Answering Neural Network

- Created and trained a Long Short Term Memory Neural Network (LSTM) to recognize continuity in a textual adventure and answer relevant questions regarding said adventure
• Designed a front-end using HTML and CSS, and deployed the neural network using Flask, facilitating users to create their own small stories and ask questions
• Understood and learned how LSTMs work in order to be able to implement said network from scratch using TensorFlow, Keras, and the bAbI dataset

Jun 2020
|
May
2020

• AI recognizes ASL - 97% accuracy

- Created a Convolutional Neural Network (CNN) that recognized and successfully identified letters of the American Sign Language using TensorFlow and Keras
• Performed relevant feature engineering processes such as Dropout, Regularization, Global Average Pooling, among others to optimize the performance of the CNN
• Learned the required concept and algorithms behind a CNN to truly understand how one worked in order to build it and implement it

TECHNICAL SKILLS

Python, Java



Object-Oriented Programming



Linux, Visual Studio, Git



JavaScript, C, C++



HTML, CSS



Machine Learning, Data Science



Data Structures & Algorithms



SciKit-Learn



Deep Learning



TensorFlow, Pytorch



SOFT SKILLS

Communication



Teamwork, Professionalism



Leadership



Active Listening, Open Mindedness



VAUGHAN LOVE

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Second year engineering student looking for meaningful summer position within the tech industry to further my knowledge in software engineering. My current interests are focused on machine learning and its business applications.

EXPERIENCE

APRIL 2020 – JUNE 2020

AERATOR, GREENDROP

- Collaborated with coworkers to service around 150 yards/day, ~20 yards individually.
- Maintained strict deadlines, frequently working weekends or through poor weather.

DECEMBER 2016 – AUGUST 2019

LIFEGUARD – SWIM INSTRUCTOR, WESTSIDE RECREATION CENTRE

- Worked with many different lifeguards in a team setting to ensure safety and cleanliness.
- Instructed/monitored kids (6-12) for swim lessons.

EDUCATION

PRESENT

BASC 23' – APPLIED MATHEMATICS ENGINEERING, QUEEN'S UNIVERSITY

- 3.98 GPA
- Applied Mathematics Engineering major in the computing option.
- Dean's Scholars / Excellence scholarship.

JUNE 2019

HIGHSCHOOL DIPLOMA, WESTERN CANADA HIGHSCHOOL

- Honours society.

ACTIVITIES

AUGUST 2020 - PRESENT

MEMBER, INQUBATE

- Developing an AI-based product for market.
- Startup environment.

JANUARY 2020

DELEGATE, Conference on Industry and Resources Queen's University Engineering (CIRQUE)

DECEMBER 2019 – PRESENT

ALGORITHMIC TRADING, SELF DIRECTED

- Developed ML models and algorithms to trade crypto assets.

SKILLS

- Experience in Python, TensorFlow
- C++/JavaScript fundamentals
- Attention to detail
- Critical thinker
- Motivated
- Strong leader

REFERENCES

Available on request

Warren Liu

Email: warrenliu2001@gmail.com | Tel: 289-888-1517 | LinkedIn: www.linkedin.com/in/LIUWAR | GitHub: <https://github.com/warren-liu-2001>

Education

University of Toronto, Faculty of Arts and Science

2019 - 2023

Honours Bachelor of Science. Specialist in Computer Science with PEY and Major in Economics. Cumulative GPA: 3.86/4.00

Awards: Dean's List (2020); Boyle Seminar Entry Scholarship (2019).

Professional and Leadership Experience

Summer Intern: Operations Associate. HEFI Heritage Plans.

June 2020 - Aug 2020

Knowledge First Financial.

Mississauga, ON.

* Assisted the Senior Supervisor of Operations as a member of the operations team in processing special cases to deliver excellent client support for thousands of clients during the summer RESP maturity peak period.

* Accurately processed tens of thousands of dollars in RESP scholarship and maturity transactions daily, following established CRA mandates and regulations. Ensured and exceeded the SLA requirements with high accuracy, ensuring excellent client service and preventing financial losses.

* Received Training in Finance Operation fundamentals, such as Anti Money Laundering to prevent financial risk for the company.

Director-General of Internal Affairs

May 2020 - Nov 2020

Secondary School Interactive Crisis Simulation: (SSICSim).

Toronto, ON

* Oversaw logistical matters and the overall financial situation of the conference to ensure net positive cash flow and cost-efficiency.

* Approached and tested a variety of new online platforms, and provided feedback on the feasibility of each for an online conference, as well as accounting for their pricing and related costs through budget planning, to ensure the successful operation of the conference.

* Drafted financial and contingency plans by preparing cost statements and effectively pricing tickets to cover operating/contingency costs.

Executive: Marketing Committee Member

May 2020 - Sep 2020

Woodsworth College Orientation Executive Council.

Toronto, ON

* Brainstormed Ideas for promoting the orientation as a member of the Marketing Committee and created online content for Orientation through designing Instagram posts and website design. Mastered the use of Graphical Design Tools (Canva) and Website Editors (WordPress).

Volunteer and Extracurricular Experience

Mentor: St. Michaels College Mentorship Program: Toronto, ON

May 2020 -

* Provided guidance to First Years at the college, and mentored them in topics of academic excellence and extracurricular involvement.

* Gained experience in using methods in effective online communication to facilitate online activities and creating inclusive environments.

First Year Intern: Rotman Commerce International Business Association: Toronto, ON

Sep 2019 - Apr 2020

* Planned an intern hosted networking and panel event, and collaborated with other interns on sponsorship and marketing. Focused on planning out room booking and refreshment procurement, and gained valuable experience in event organization and budget planning.

Technological Projects:

Texting Conference App: Texting app built using Java with group chat and account setting functionality, as well as admin functionality and a feedback collection and export system. Intuitive Graphical User Interface built using JavaFX and app data stored through an AWS RDS MySQL DB.

HappyTravels: Using the Google Cloud Map API through Python to parse thousands of highly-rated entertainment/dining locations and past user location data points. Minimizing distance, the algorithm suggests the best-rated itinerary for travellers suiting their preferences within 20 seconds.

Web Scraping: Using the bs4 library in Python, scraped thousands of Indeed job postings given parameters such as location and job name, to parse job posting data into a pandas df for graphical presentation.

Skills & Interests:

* Technical Skills: Python (np, pd, matplotlib), Java (java.fx, java.sql), Microsoft Office (Excel, VBA), Data Visualization/ Analysis (R, RMarkdown, Jupyter), OS (UNIX shell and scripting, C). Web Design (HTML/CSS/JS), SQL, Cloud Services (AWS, GCP), VCS (Git), Typesetting (LaTeX).

* Personal Skills: Teamwork, Leadership, Time Management, and Strong Learner. Strong analytical mindset and debugging experience.

* Languages: Native Speaker Proficiency in English and Mandarin, with a decent ability to read and write in French.

* Certifications: Bloomberg Market Concepts (2020), Google Analytics for Beginners (2021)

* Interests: Hiking, Swimming, Motorsports, Hackathons, Technology, Food, Finance and Business.

Warren Sucklal

366 Cedar Avenue, London Ontario

+1 (416) 919 8478 | warrensucklal@gmail.com|linkedin.com/in/warren-sucklal

Education

Western University, **London, Ontario**
Bachelor of Engineering Science, Software Engineering (BESc) Expected 2024

Bloor Collegiate Institute, **2015-2019**
Talented Offerings for Programs in the Sciences

- Graduation Honour Roll (achieving over 80%)

Work Experience

City of Toronto, **2017- 2020**
Camp Counsellor

- Provided a fun, safe and enjoyable environment by spending time with the campers and engaging them in activities meeting the needs of individual campers
- Successfully organized and executed activities and events, such as registering attendance on a daily basis.
- Effectively addressed issues amongst campers using my problem solving and conflict resolution skills
- Efficiently maintained control of campers at activity periods, managing their supplies / possessions, such as epi-pens, lunch pans and backpacks, while adhering to safety standards

Crestwood Valley Day Camp, **Summer 2017**
Camp Counsellor

- Ensured a pleasant, educational and entertaining environment for individual campers of varying ages, while engaging them in wholesome activities meeting their specific needs
- Effectively planned, and implemented varying events and themes, performing tasks such as meal distribution and registering attendance
- Employed problem solving and conflict resolution skills to provide viable solutions for young campers, and served as a positive role model for them

Extracurricular Activities

Western Orientation Program, *Engineering Orientation Leader (Soph)* **2020 - 2021**

- Mentored a group of first year students throughout the year academically and socially in order to ease the transition from high school to university; ensured that students were well-positioned for future success
- Organized and led review sessions for first year engineering students, reviewing past exams, and teaching concepts not properly covered in class; helped the students perform well in the covered subjects

Western Engineering Concrete Canoe Association, *Software Developer Team (Member)* **2020 - Present**

- Collaborated with Software Developer Team as a mean stack developer using Angular and Node JS to create a new website for the club.
- Implemented structural and stylish elements using HTML and CSS to properly configure the website to specified requirements

Skills, Awards & Achievements

Technical Skills: Java, JavaScript, HTML, CSS, Microsoft Excel, Power Point, JavaFX, C#, Unity, Git, Angular, MATLAB, Quartus

Awards & Achievements: Onyx Initiative Scholar, African Heritage Educators Network Excellence Award, Bloor Athletic Council Merit Award, Bronze Medallion, First Aid Training

EDUCATION

Pomona College | Class of 2023

B.A. Computer Science and B.A. Economics

Claremont, CA

GPA: 3.9

Relevant Coursework: Financial and Managerial Accounting, Microeconomics, Macroeconomics, Microeconomic Theory, Health Economics, Linear Algebra, Discrete Mathematics and Functional Programming, Introduction to Computer Science in Python

Athletics: Pomona-Pitzer Varsity Women's Diving, Pomona-Pitzer Varsity Women's Track and Field (Pole Vault)

Honors: Girls Who Invest Summer Intensive Scholar (2021), SCIAC All-Academic Team, CSCAA Scholar All-America Team

Mission San Jose High School | Class of 2019

Fremon, CA

SAT: 1520

Graduated with High Honors (GPA 3.9 UW / 4.4 W)

Activities: Student Government (Vice President), Rotary Interact Service Club (President), National History Day State Finalist (2x), North Coast Sectionals Qualifier – Diving and Pole Vault (6x), MVAL Gymnastics All-Around and Team Champion

PROFESSIONAL EXPERIENCE

Run the World

Product Growth Leadership Fellow

Mountain View, CA

Dec. 2020 – Present

- Run the World provides a digital platform for virtual events (Series A round co-led by Andreessen Horowitz and Founders Fund)
- Launch growth campaigns to expand user base; source and outreach to 2,000+ community founders and creators, conduct user research to determine key product features and improvement ideas, lead calls to potential clients, and perform competitive analysis
- Lead content creation and assist with branding strategy, manage website content, and generate blog articles and social media posts

Microeconomic Theory (ECON 102)

Claremont, CA

Teaching Assistant for Spring 2021

Dec. 2020 – Present

- Will be responsible for hosting weekly problem set and test review sessions and providing grading and feedback for student assignments

Mulu Fitness

Strategy Intern

San Francisco, CA

May 2020 – Aug. 2020

- Mulu is a digital fitness startup that provides an online platform for fitness instructors to teach classes and build a community
- Conducted research on brand and social media marketing strategy by creating 10+ case studies on campaigns on Instagram, Twitter, and TikTok; helped analyze user behavior to refine Mulu's brand message and increase Mulu's social media following by 100%+

FreePN

Marketing and Growth Intern

San Francisco, CA

Jul. 2020 – Aug. 2020

- FreePN is an early-stage software startup that addresses internet privacy and created the first free, secure, and anonymous VPN
- Researched privacy software industry to create content for inbound marketing strategy; conducted A/B tests, analyzed effectiveness of key marketing funnels, executed social media marketing strategies, and assisted with developing FreePN's SEO marketing strategy

LEADERSHIP EXPERIENCE

Associated Students of Pomona College

Claremont, CA

South Campus Representative – Senator for Freshmen and Sophomore Classes

Sep. 2020 – Present

- Elected by 850+ person student body to serve on the Student Affairs Committee to develop and revise policies in the student handbook
- Co-chair the Residence and Food Committee; collaborate on projects with respective administrators to improve the quality of dining and residence hall life for students and to gather community feedback to plan the logistics for a safe return to campus in the fall

Pomona Consulting Group

Project Lead

Claremont, CA

Sep. 2020 – Present

- Source client for consulting engagement and establish scope of work; manage team communication and adherence to key milestones
- Serve on leadership team; coordinate guest speaker events and case workshops for members and assist with member recruitment
- Project Experience: Competitive analysis of sports tech industry for PreSnap, an online platform providing access to football coaching

Pomona AI Club (P-ai)

Director of Marketing

Claremont, CA

Sep. 2020 – Present

- P-ai hosts machine learning, data science, and coding workshops and facilitates discussions to examine the ethical implications of AI
- Serve on the leadership team and lead publicity and outreach efforts, manage social media accounts, and help with organizing events

Pomona College Asian-American Mentor Program (AAMP)

Claremont, CA

Mentor

Aug. 2020 – Present

- Selected as a mentor for Asian-American first-years; lead discussion about APIDA issues and plan various cultural and social events

SKILLS AND INTERESTS

Interests: Travel, Outdoor Activities, Poker, Healthy Recipes, Strength Training, Gymnastics (former NorCal State Champion)

Skills: Proficient in Microsoft Office Suite, Python, Java, Proficient in Mandarin Chinese, Intermediate in French

yasmeen hmaidan

✉️ hi@yasmineenbrain.com
GitHub github.com/YasPHP
LinkedIn linkedin.com/yasmeen
Twitter twitter.com/yasmeen
Spotify spotify.com/yasmeen
Website yasmineenbrain.com

EDUCATION

University of Toronto

Psychology, Computer Science,
Mathematics
Honours Bachelor of Science
Sept 2019 - Apr 2024

SKILLS

Languages:
Python, Java, Javascript
Libraries:
Pandas, Numpy, Keras,
TensorFlow, OpenCV
Tools:
Git, Jupyter Notebook
Soft Skills:
Science Communication

COURSEWORK

Data Structures, Algorithms
Object-Oriented Programming
Discrete Mathematics
Calculus I/II
Software Design
Neuroscience, Psychology
Biology and Genetics
Research Data Statistics

ACTIVITIES

Brain and AI Artist
Host of the Student Spotlight
Podcast (1000 EP downloads)
Polyglot (english, french, arabic)

ARTICLES

Guillain-Barré Syndrome Paper
(IYNA Journal 2017 submission)

EXPERIENCE

The Fukuda Lab

Jan 2021 - Present

Undergraduate Research Assistant

- Examining Stimulus-Response-Feedback (SRFB) mapping in learning efficacy of honest informants and sweet-talkers online.

UofT Artificial Intelligence Society

Oct 2020 - Present

LearnAI Student and General Executive

- Implemented Notebooks on Classification, Regression, CNNs, RNNs, etc. and led a beginner computer vision Kaggle team.

International Youth Neuroscience Association

Nov 2017 - Oct 2020

Chair of the Board of Directors and Board Member

- Led the non-profit's neuroscience education membership plan for 5,000 students in 100 countries with research partners.

PROJECTS

RANZCR-CLIP

Royal Australian and New Zealand College of Radiologists, Kaggle
Classified misplaced catheters on 40,000 chest x-rays of COVID-19 patients. Trained and architected a multilabel neural network with ResNet50 for feature extraction and prediction layer of: sigmoid activation, binary cross-entropy loss, and stochastic gradient descent optimization. Used **Tensorflow**, **Keras**, **Numpy**, and **Pandas**.

The Five Factor Personality Test

Taxonomy for personality traits using Machine Learning

Applied factor analysis to personality survey data to output five broad dimensions of Opensource Psychometrics. Used **Kmeans Clustering**, **Min-Max Normalization**, **Matplotlib**, and Pandas.

Türtle

SheHacks and Hack@Brown Computer Vision Hackathon Project

A tool that protects children's video conferencing identities with anonymizing snapchat-like filters. Co-implemented the **Viola-Jones** face tracking algorithm on live webcam feed using **OpenCV**.

BrainEncyclopedia

Chat Server Discord Bot

An encyclopedia tool that provides neuroanatomy lookup, research articles, and crowdscience using the Discord **Javascript** API.

Yiren (Sophia) Wei

13706135822 | sophia.wei2002@outlook.com | 苏州

EDUCATION

| | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| University of Western Ontario, Canada. | Sep 2019 - Apr 2023 |
| Honor Specialization in Computer Science Bachelor | London, Ontario, Canada |
| <ul style="list-style-type: none">• GPA: 4.0/4.0• Honorary awards: Dean's Honor Roll (2019-2020)• Scholarship: Four Year Continuing Admission Scholarship | |

PROFESSIONAL EXPERIENCE

| | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| Atlas Copco (Shanghai) Trading Co., Ltd. | Jun 2020 - Sep 2020 |
| Data Processing Intern | Shanghai |
| <ul style="list-style-type: none">• Use CloudSQL to capture more than 100,000 sales and customer data in Greater China.• Use PowerBI to design and develop a total of 3 data visualization management platforms, including processing and integrating sales data, inventory, and sales commissions.• According to the needs of sales managers, complete visual data analysis to assist business analysis.• Realize the daily operation of the data platform, which is updated twice a day. | |

Club and organization experience

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| EasyLondon community | Sep 2019 - Present |
| Vice President, Head of Design and Photography | London, Ontario, Canada |
| <ul style="list-style-type: none">• Lead a 12-people department to complete the planning, arrange and produce visual promotional materials for the club, such as blog posts, videos, event shooting, posters, club merchandise, etc.• Conduct skill training and work arrangement for 12 members• 27 videos produced, with an average 1500+ views | |
| WesternAI. | Sep 2019 - Present |
| co-Vice President, Projects | |
| <ul style="list-style-type: none">• Manage and help 35+ Artificial Intelligence project teams, including summer teams, fall teams and spring teams. My work focus includes team formation, preparation of artificial intelligence related learning materials, and assistance in model building. Around 55% of the team completed the artificial intelligence project at the end.• Use Python to master machine learning algorithms (such as K-NN, Regression, Decision trees, etc.) and use Tensorflow and Keras to build neural networks.• Prepare artificial intelligence learning guides for 200+ members from beginners to skilled learners. Contents include basic Python programming, data processing and analysis, machine learning algorithms, using Tensorflow to build neural networks, using Tensorboard to visualize neural networks, and using Google Cloud Platform server to run models.• Assist to plan and deliver the final project showcase, conduct communication with the professional judges and deliberate scores together. | |

PROJECT EXPERIENCE

| | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| Artificial intelligence stock market analysis-Python | Dec 2020 - Present |
| Founder, R&D, coder | |
| <ul style="list-style-type: none">• Use Bloomberg, YahooFinance and other professional data platforms to obtain stock market information, such as S&P500 index, industry index, individual stock index, raw material market, etc.• Use TwitterAPI to perform sentiment analysis of news in the stock market• Plan to use Python and artificial intelligence knowledge to build a neural network to help analyze the stock price of the technology industry | |

SKILLS, CERTIFICATIONS & OTHERS

- **Skills:** PowerPoint, Excel, Word, Python, Java, SQL, R, PowerBI, C, Javascript, Html, React.js framework, Tensorflow, Keras, FinalCutPro
- **Languages:** English-IELTS (8.0), Mandarin (mother tongue), French



ZAHFIR AYYOOB

SOFTWARE DEVELOPER

CONTACT

(437) 992-5921

ZAHFIR.AYYOOB@OUTLOOK.COM

PERSONAL MISSION

I am a computer science student studying artificial intelligence and machine learning, exploring the impact of machines and deep learning on society. I aspire to apply my vision and creativity to create high-impact technologies and grow my proficiency in programming.

EDUCATION

SECOND YEAR BACHELOR OF COMPUTER SCIENCE
QUEEN'S UNIVERSITY | CLASS OF 2023

EXPERIENCE

LEAD DEVELOPER FOR MOBILE GAME (INTERNSHIP)
MMGD | MAR 2020 - AUG 2020

- Built a match type mobile game with 1500 levels and 50+ scenes, with animations, cut-scenes, and 3 comic books.
- Learned a new engine (*Godot 3*) and language (*GDScrip*).

MEMBER OF QMIND

AI/MACHINE LEARNING | SEP 2019 - PRESENT

- Utilized CNNs to classify degrees of diabetic retinopathy to nearly 94% accuracy. (*Python, Tensorflow, Keras, Numpy*)
- Attend national conventions such as CUCAI to present our work to 180+ students.

WEB DEVELOPER (CO-OP POSITION)

TOPLINQS | FEB 2017 - JUN 2017

- Developed and updated a website with the team at TopLinQs, used 3 different web building apps and techniques.
- Communicated and worked in person and online with my co-workers to coordinate website development.

SKILLS

- Python 3
- Java
- C
- Bash
- Adobe Photoshop/Premiere Pro
- Word
- Powerpoint
- Excel

AWARDS

ACADEMIC HONOUR ROLL & ONTARIO SCHOLAR
VAUGHAN SECONDARY
2019

QUEEN'S ACADEMIC EXCELLENCE SCHOLARSHIP
QUEEN'S UNIVERSITY
2019

Zoey Zhang

 zoey.zhang@uwaterloo.ca

 zoeyz-zhang

 zoeyz101

SKILLS

Languages: Typescript, Javascript, Python, HTML, CSS, PHP, C++, C#

Technologies: React, Node.js, React Native, Docker, SQL, MongoDB, InfluxDB, Tensorflow, Pandas

Tools: Git, Jira, Asana, Confluence, Figma, Adobe XD, Splunk, Datadog

EXPERIENCE

Fullstack Software Developer Intern, Sheertex

Jan 2021 - Present

- Developing a web application to automate and supervise factory processes
- Developed event functions using **Influx DB** and **TypeScript** to track data across 200 factory machines
- Analyzed machine data using **Graphana** to predict and improve faults in user interface design

Software Engineering Lead, Survivor Central (survivorcentral.org)

Sept 2020 - Present

- Connected survivors of sexual assault with grants and resources using a **MERN stack** web application
- Spearheaded a transformation from a Wordpress website into a responsive **React** application
- Designed a sliding questionnaire with functional **React** components to help users find matching grants

Engineering Website Director, University of Waterloo

Mar 2020 - Sept 2020

- Updated Waterloo Engineering Orientation website viewed by over 2000 undergraduate students
- Queried **MySQL** database with over 3000 rows of user information in **PHP** to populate points scoreboard
- Created a **Python** script that created .csv files to replace manual row entries into the database

Technical Analyst, Questrade Financial Group

May 2020 - Aug 2020

- Increased DevOps incident notification efficiency by automating reporting system using the **G Suite API**
- Aggregated data across 10 tables in **MS SQL** and **MySQL** databases to track target client information
- Produced **Splunk** and **Datadog** dashboards to monitor suspicious login attempts and track server

PROJECTS

Fire Drill Application, Questrade Financial Group

Aug 2020

- Simulated recent company development operations incidents using a **MERN stack** web application
- Designed spinning wheel and button components in **React** to generate scenarios and scenario leads
- Implemented 10+ API calls to generate and read JSON files containing queried database information

Neural Structured Learning Project, Project Aqua Fellowship

Jun 2020 - Aug 2020

- Developed convolution neural networks using **Tensorflow, numpy and matplotlib** in **Python**
- Contributed pull requests and documentation to the Tensorflow Neural Structured Learning framework
- Published articles documenting learning and development done over 4 month fellowship program

Sustain-Able, StarterHacks

Feb 2020

- Delivered a food waste prevention mobile application to track food expiration dates
- Programmed application main page using **React Native** to create and store food items in the database
- Designed and prototyped a minimalist user interface using **wire-framing** and **Figma**

EDUCATION

Bachelor of Applied Science Candidate, University of Waterloo

2019 - 2024

Biomedical Engineering with a Neural Engineering Specialization and an Artificial Intelligence Option

Coursework: Data Structures and Algorithms, Machine Intelligence, Coursera Deep Learning specialization

Aarti Singh

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github.com/aartisinghh

905-783-8884

Education

Bachelor of Computer Science - Queen's University

Sept 2018 - May 2022. Kingston, ON.

Software Design Specialization

Relevant Coursework

Software Development Fundamentals, Data Structures and Algorithms, Software Quality Assurance, Human-Computer Interaction

Leadership

Director of Events - Queen's Women in Computing - [qwic.org](#)

April 2020 - Present. Remote.

- Created visions for events and coordinated event plans for a community of 600+ women.
- Moderated the World of Tech Panel with 40+ attendees and 4 panelists.
- Created and led an Intro. To Figma Workshop with 23 attendees.
- Organized QWIC's first hackathon (hackHer) with 250 participants.
- Increased event turnout by 200%.

Logistics Coordinator - Queen's AI/ML Hub

April 2020 - Present. Remote.

- Organized events that brought professional development opportunities to a club with 250 members, and to increase community engagement.

Community Outreach - Shinerama

Sept. 2019 - April 2020. Kingston, ON.

- Largest Collegiate based fundraising Initiative for Cystic Fibrosis Canada.
- Organized 2 major fundraising events, the Speaker Series and Story Night, where survivors came to speak about their story.
- Ensured all accommodation details were met for each guest.

Computing Orientation Leader

Mar 2019 - Sept 2019. Kingston, ON.

- Mentored 15 incoming students to improve their transition to the computing program.
- Recognized as best leader by the executive team.

Projects

Concert Ticket Web App

- Adopted a test driven development approach to develop a web app (using Python, Flask and SQLite) where users can post or purchase concert tickets.

Infinite Runner Game

- Using C# and Unity to create an infinite running game where the player has three lives and dies every time they collide with a sprite.

Roman Numeral Calculator Application

- A Swift app that enables users to perform calculations and conversions between roman numerals and decimals.

Experience

Software Developer

Sept 2020 - Dec 2020. Remote.

- Coded the Graphical User Interface for a C++ application that helps students split costs of expenses.
- Followed the SDLC methodology.
- Collaborated with a team of 6 students.
- Documented requirements and system design decisions in Confluence and tracked issues and sprints in JIRA to improve team collaboration.
- Used Bitbucket to collaborate on the code
- Conducted white-box testing and usability testing to ensure quality assurance.
- Received reviews from 55 peers, where 98% of them said they would invest in this application.

Junior iOS Developer

Oct 2019 - Sept 2020. Kingston, ON.

- Used Swift to code an application that matches users as study partners based on selective information.
- Took the initiative to run a bootcamp for 9 new members to learn Swift.
- Collaborated with Frontend, Backend and Operation team members to ensure that the design and software requirements were met.

Artificial Intelligence Design Team Member

Sept 2018 - Apr 2019. Kingston, ON.

- Developed a program that predicts the price change in a given stock over an extended period of time.
- Collaborated with a team of 5 students in engineering and business.
- Presented the project to 300+ people at the Canadian Undergraduate Conference on Artificial Intelligence.

Crew Trainer

Dec 2016 - Aug 2018. Brampton, ON.

- Provided training to develop crew and reported regular feedback on performance to upper management at McDonald's.

Skills

UI/UX Design, Algorithms, Version Control, Software Testing, Agile, Public Speaking, OOP

Languages and Tools

Java, Python, C, C++, Swift, Bash, HTML, Git, Docker, Microsoft Office Services

Adi Zingman

www.linkedin.com/in/adi-zingman

Email: 17az41@queensu.ca

Mobile: 519-784-7232

EDUCATION

- **Queen's University** Kingston ON, Canada
Bachelor of Computing (Honours), Specialization in Computer Science 2018 - present
 - Expected Graduation Date: 2022
 - Relevant Coursework: CS Fundamentals (Python), System-Level Programming (C, Linux, Bash), Object Oriented Programming (Java), Data Structures, Operating Systems, Database Management Systems (MySQL, PHP), Algorithms, Human-Computer Interaction, Software Architecture

PROGRAMMING SKILLS

- **Languages/Libraries:** Java, Python, C, HTML, CSS, JavaScript, Bash, Haskell, Bootstrap, jQuery, Prolog, MySQL, PHP
- **Operating Systems:** Linux, Windows

WORK EXPERIENCE

- **Municipality of Chatham-Kent** Chatham-Kent, ON
Student Web Developer 2019
 - From personal research and company support, learned and used HTML and CSS to format over 80 web pages.
 - From individual research and a company course, learned about web accessibility and then outlined and implemented over 15 improvements for the community website based on accessibility needs within the community.
 - Reported to supervisor and attended weekly team meetings with senior developers while also independently working with external clients within the community.

EXTRACURRICULAR ACTIVITIES

- **Queen's AI Hub (QMIND)** Kingston, ON
Design Team Member 2020 - present
 - Actively working with Forest Ecosystem Solutions, an external client, to assist their analysis of forest ecosystems by developing a computer vision software to detect natural disturbances.
 - Attending weekly meetings with 3 other design team members to discuss project code and create reports on research topics such as image segmentation, object localization and convolutional neural networks.
 - Identifying and classifying geographic anomalies from aerial and satellite images using Python and OpenCV.
- **Queen's Tae Kwon Do Club** Kingston, ON
Co-president 2020 - present
 - Came up with a collaborative plan with school and 3 other executive members to adapt classes to follow all COVID-19 restrictions.
 - Found innovative ways to bring new members to club following transition to remote learning, such as creating social media posts and organizing virtual social events.

PROJECTS

- **Chatham-Kent Homes: Informed, Ready and Protected** | *HTML, CSS, JavaScript, Bootstrap, jQuery*
 - Developed a smoke alarm testing scheduling system for the Chatham Kent's fire department, using Bootstrap and JQuery, with a strong emphasis on user data protection.
- **SheHacks Hackathon Website** | *HTML, CSS, JavaScript*
 - Developed a student-oriented website using HTML, CSS and JavaScript where users could create a schedule and compare schedules with other students in order to connect with one another.

Aditi Maheshwari

B.A.Sc in Engineering Science | University of Toronto

Robotics Major, Artificial Intelligence Minor, Business Certificate | Sept 2017 - present

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 linkedin.com/in/aditi-maheshwari

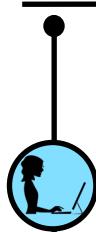
ABOUT ME

A diligent and committed learner, adept in using organizational and leadership skills to achieve goals and accomplish tasks. Proficient candidate for working in a team to solve real-life engineering design problems using innovative solutions. Seeking to leverage and further develop technical & analytical skills, and knowledge in artificial intelligence applications.

SKILLS SUMMARY

- Python; TensorFlow; MATLAB; Microsoft Office Suite: Word, Publisher, Excel & PPT; WordPress; Latex
- In the process of learning: PyTorch, ROS, MySQL, HTML, CSS, JavaScript | Previous Experience with: C, Java, Arduino, Verilog

WORK EXPERIENCE



Automation/Mechatronics Engineer at InkBox R&D

June 2020 - present

- Developing software using python to streamline workflows for data processing, safety analysis, & product quality control
- Researching and implementing machine learning & AI applications for product testing and consumer use
- Co-designing and running human experiments on product testing and for workflow software improvements

UofT Division of Engineering Science Summer Internship

May 2019 - Sept. 2019

- Built the EngSci Orientation blog website using WordPress, targeted for over 300 students
- Authored 2-3 blog weekly posts on interesting & valuable topics; website had over 18 000 pageviews in a span of 4 months
- Launched and marketed the first ever EngSci Meetup program for student development & outreach

Summer Camp Counsellor for the Town of Ajax

July 2017 - Aug. 2017, July 2018 - Aug. 2018

- Designed activities/events for kids on a daily basis; led fundraising/advertising initiatives for end-of-summer party; Increased camper participation and involvement by over 40%

DESIGN PROJECTS



Competitive Innovation Consultant at MindSumo (Part of MBO Partners)

Dec. 2020 - present

- Solving weekly design challenges sponsored by renowned companies
- Chosen as a winner for 80% of competitions entered (MindSumo average is 20%)

Microsoft Discover AI Journey Design Sprints

June. 2020 - Sept. 2020

- 1st place for powering disaster relief with electric mobility and AI (sprint 5)
- 1st place for toxic comment detection (sprint 4)
- 3rd place for a reporting & retrieval app of lost valuables (sprint 3)

Machine Learning Airbnb Pricing Prediction Model

Sept. 2019 - Jan. 2020

- Developed a ML regression model using historical house listings data (like house attributes & location) to predict rental prices for new hosts

Autonomous Tire Stacking Robot - Ranked 2nd out of 21 teams

Jan. 2019 - Apr. 2019

- Designed and built from scratch to detect poles and autonomously drop tires based on environmental input (i.e. travel distance, number of tires existing, etc.); programmed using C and Arduino

EXTRACURRICULARS



Engineering Science Education Conference (ESEC) Chair

Apr. 2020 - Jan. 2021

- Developed list of 8 potential speakers for the conference attended by 600+ students
- Collaborated with External Relations Officer to organize Fireside Chats and talks over Hopin
- Recruited and oversaw team of over 15 volunteers assisting with conference day logistics

Engineering Science Alumni Dinner 2020 Co-Chair

Dec. 2019 - Jan. 2021

Hi-Skule (Engineering Outreach) Webmaster & former Tech Director

Sept. 2018 - May 2020

Campus Tours Committee Chair for Student Orientation & Frosh Leader since 2018

Apr. 2019 - Sept. 2019

- Created a 6-hour schedule for over 1200 students distributed in 18 groups, avoiding any location overlap
- Trained and organized unique content for designated students from each group

AWARDS



Town of Ajax - Director's Award (Outstanding Leadership, Collaboration, & Innovative ideas)

Aug. 2018

U of T Faculty of Applied Science & Engineering - Dean's Honour List (80+% average)

Jan. 2018, May 2018

U of T Scholar (\$10 000 scholarship)

Sept. 2017

Adrian Wu

(647) 201-8998 • adrian_wu@live.ca • Mississauga, London, ON, CA

SKILLS

Technical Skills:

ARM, Quartus (VHDL), Cadence

Programming Languages:

Java, C/C++, MATLAB

Programming Tools:

Unix/Linux

Languages:

Fluency in English and proficient in French

EDUCATION

University of Western Ontario

London, Ontario

Currently enrolled in Western Computer Engineering program

Sep 2018 – Present

- *Electronic Devices for Ubiquitous Computing Program*
- *ECE GPA: 3.2*
- *Relevant courses: Digital Logic Systems, Advanced Digital Logic Systems, Microprocessors & Microcomputers, Computer System Design, Hardware/Software Co-Design, Data Structures & Algorithms and Software Tools & Systems Programming*

WORK EXPERIENCE

Telecor Inc.

Mississauga, Ontario

Technician and Electronic Testing and Repair

Summer 2018 – 2020

- Test electronic devices and repair electronic components and circuits
- Learned to identify and repair circuit shorts and opens on electronic circuit boards
- Test and upgrade software for digital clock displays
- Experience with soldering using an oscilloscope, multimeters, and spectrum analyzers

PROJECTS

Quartus FPGA Projects

T4 Microprocessor Design and Implementation

- Design the control logic unit for the T4 processor with high-performance upgrades like pipelining, cache and register windowing
- Hardware implementation in VHDL and simulated through Quartus waveforms

Automobile Tail-Light Control Unit

- Simulate controllable car taillight with use of a Quartus on an Altera Board DE-10 Standard
- Verification and simulation done with ModelSim

Scramble Crossing Traffic Light Engineering System with Embedded Intelligence

- Design a system to allow scramble crossing at a traffic light when there are considerably number of pedestrians waiting to cross the busy intersection
- Hardware Implementation in C and Arm-Cortex A9 (DE-10 Board)

Eagle - Automatic Plant Grower PCB design with Arduino

- Built a physical automatic plant grower design to help people and reduce human interaction/error with plant growth
- Using Arduino and custom PCB board to connect all the sensors and actuators together while minimizing the wires required to build the device.

Hackathon

BorderHacks Winner

Sep 2020

OoberPlus HTML, CSS, React

- As a team we built a web app that creates a marketplace for advertising transportation for consumer specified location at a given time
- Users can create profiles make advertising post and browse the current advertisements

DEVPOST Link:

<https://devpost.com/software/ooberplus-b4qmdz>

Aiden Horan

82 Munro Boulevard, North York, ON M2P1C4 | 647-785-7161 | aiden.horan11@gmail.com

Profile

I am a hardworking, social, enthusiastic university student currently in my third year of computer engineering at Queen's University. I am interested in pursuing a career in computer science and software engineering.

| Software Skills | Education | |
|---------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| Proficient in: C Python OpenCV Linux operating system Git Assembly language DE2 (used for NIOS II) Excel | Queen's University Computer Engineering and Innovation undergraduate degree • Relevant courses: <ul style="list-style-type: none">- Operating Systems- Machine Vision- Business for Entrepreneurs | Expected graduation |
| Experience with: ROS Shell Scripting Tensorflow Java html Javascript css Autocad Jenkins SQL Matlab | Awards and Achievements <ul style="list-style-type: none">• Honors student in each year of attendance at St. Michael's College School (2012 -2018)• University of Waterloo, Centre for Education in Mathematics and Computing<ul style="list-style-type: none">• Cayley Contest Certificate of Distinction, 2016• Pascal Contest Certificate of Distinction, 2015 | April 2022 |
| | Employment Experience Clearbridge Mobile (2018, 2019) <ul style="list-style-type: none">• Interned in quality assurance in app development and acted as lead for select projects• Was lead in multiple demo meetings with clients• Wrote automation scripts for application testing that are still in use today Member of Queens Knights Robo-master AI team (2018-present) <ul style="list-style-type: none">• Trained and implemented a neural network for plate detection• Managed the AI team through a pandemic transition to a successful season• Currently training a fully autonomous robot using ROS and a roboRTS framework Co-founded start up Ufit (2019 – 2019) <ul style="list-style-type: none">• Lead Research and development on Ufit to develop a pressure sensing insole to give high level athletes data on their inefficiencies to optimize their performance• Designed the application used in advertising and pitch competitions | |
| | Other Interests and Hobbies | |
| | Improvisational comedy (Second City Training 2013-2017) | |
| | Co-creator of Jokes Thugs and Discord | |
| | <ul style="list-style-type: none">• Wrote, organized, and starred in multiple sketch comedy shows, creating over \$3000 of profit• Was the sole developer for the Jokes Thugs and Discord website | |

References available upon request

Aine NurAizza Nuruddin

17ann2@queensu.ca www.linkedin.com/in/aine-nuraizza-nuruddin

Self motivated individual, eager to take on challenging projects to integrate smart technology and sustainable design solutions in everyday lives

► Skills

TECHNICAL : Power conversion in electronic devices, Circuit design, MATLAB, Arduino, Python, MS Office, Entrepreneurship, Research

WORKPLACE : Leadership, creative problem solving, effective communication, attention to detail, teamwork, eager to learn, adaptability

► Awards

How to Change the World Conference, Toronto · **Most Implementable Solution**

Feb. 2020

- Sponsored by Queen's University for attending the conference to work on a pressing socio-economic development project
- Presented a four-step conceptual model of providing portable home solar units to at least 50% of Ladakh's rural population
- Won a mentorship meeting with leaders at the Business Development Bank of Canada

Queen's University · **Excellence Entrance Scholarship**

Sep 2018

- Received the accolade for outstanding academic achievement

► Employment

Research Associate

June 2020 to Current

How to Change the World

- Researched and developed educational materials focusing on UN SDGs 7 and 11 in the context of Ladakh, India and Calgary, Canada
- Conducted primary interviews on Sustainable Energy and Cities with local and international stakeholders
- Moderated group discussion at the virtual conference for 120 participants

Residence Don

Aug. 2019 to Current

Queen's University

- Student leader for 50 first-year residents, providing mentorship on personal and academic matters
- Responsible for crisis management, conflict mediation, and upholding community standards to foster inclusivity
- Planned and implemented building-wide events such as Diversity Appreciation Week and Health and Wellness sessions for 700 students

STEM Instructor

May 2019 to Aug. 2019

University of Toronto

- Designed 20 interactive workshops on the implementation of Engineering in the Entertainment Industry
- Adopted tailored teaching strategies to ensure an inclusive learning environment for 200 students of grades 3-8
- Planned and delivered In-School Outreach Programs to promote STEM and Digital literacy across Toronto

► Projects

Mechatronics - Robot Design

Jan. 2020 to April 2020

- Implemented the Arduino IDE to design an autonomous and programmable robotic vehicle
- Learned about different sensors and hardware wiring strategies for vehicle control and navigation towards a home base

Preventing Pediatric Vehicular Hyperthermia

Oct. 2019 to Dec. 2019

- Designed a prototype to alert car owners when children are locked in a vehicle in extreme temperature conditions
- Extensively researched the impact of smart technology on the Triple Bottom Line (people, planet and profit)
- Implemented the use of WiFi-enabled Arduino boards to output the data from motion and temperature sensors

Art Interpretation for Visually Impaired Users

Jan. 2019 to April 2019

- Worked closely with the Ottawa Art Gallery (OAG) to increase accessibility of an art piece by 55% for the visually impaired
- Created an evaluation matrix to ensure cost effective, feasible and sustainable design solution for the stakeholders
- Built and tested a functional tactile enhancement using CAD to simulate the painting from OAG

► Education

Queen's University, Kingston, Ontario

Sept. 2018 to Current

Bachelor of Engineering and Applied Science Electrical Engineering 2023

Certificate in Business 2023

Relevant coursework: Electric Circuits, Mechatronics Project, Power Electronics, Electronics I and II, Economics and Business Practices in Engineering

► Volunteering

Participant - Global Encounters · Kenya and Tanzania

- An international youth summer program focused on service learning, leadership and cultural and global citizenship
- Carried out a needs assessment at a local school for differently abled girls and offered life skills training for economic empowerment
- Conducted primary research on Sanitation and Hygiene in the Kenyan context and presented a Capstone Project at a Leadership Summit

Ajay Mundi

Interested in Summer 2021 internship opportunities.

 ajay.mundi@gmail.com

 6472185159

 Ottawa, Canada

EDUCATION

BASc in Civil Engineering (Co-op)

University of Ottawa

09/2017 - 04/2022

Ottawa, Canada

Courses

- Structural Dynamics
- Steel Design
- Sustainable Building Design
- Soil Mechanics
- Highway Design
- Reinforced Concrete Design

BSc in Computing (Co-op)

University of Ottawa

05/2020 - 04/2022

Ottawa, Canada

WORK EXPERIENCE

Field Coordinator - Light Rail Construction

City of Ottawa

09/2020 - 12/2020

Ottawa, Canada

City of Ottawa LRT Construction Team

Achievements/Tasks

- Inspected site elements such as concrete forms, rebar, compaction and thrust blocks to ensure conformance to project specifications and produced daily reports on findings.
- Reviewed drawings, circulations and traffic control plans in order to draft commerce work orders.

BIM Modeler & Project Coordinator

EllisDon

01/2020 - 04/2020

Ottawa, Canada

Construction General Contractor

Achievements/Tasks

- Performed quantity takeoffs, processed financial statements and optimized monthly project schedule.
- Implemented BIM models to find issues in the proposed architectural design and interferences in the HVAC and plumbing layout.

Energy Systems Designer

CanmetENERGY Ottawa

05/2019 - 08/2019

Ottawa, Canada

R&D Government Branch Specializing in Renewable Energy Systems

Achievements/Tasks

- Designed a steel ballasted variable-angle solar array rated to withstand wind gusts of 150 km/h.
- Developed an excel computational tool to estimate wind loads and required ballast for rooftop structures.

SKILLS

AutoCAD

Revit

Project Management

SAP 2000

Java

Python

NBC 2015

Book 7

PROJECTS

Balsa Wood Bridge

- Determined load distribution and member sizing for a balsa wood bridge using section method and SAP 2000.

Foundation Design

- Utilized site borehole logs and geotechnical reports to perform shallow foundation design calculations for a medium rise building in Toronto

Site Photo Mapper

- Developed a web application using Leaflet.js to mark and display construction photos taken across LRT sites.
- Planning the move to a functions-as-a-Service (FAAS) model using the Serverless framework.
- Tools: Node.js, Javascript, Leaflet.js, HTML.

Reinforced Concrete Design

- Designed reinforced concrete beams and columns as per CSA A23.3
- Applied knowledge of concrete mix - design to design concrete for foundation walls with a required compressive strength of 40 MPa.

RESEARCH EXPERIENCE

Structural Research Assistant - uOttawa (10/2019 - 05/2020)

Applied Faraday's Law to 8 concrete columns in order to better understand the effects of de-icing salts on the structural capacity of reinforced concrete

Environmental Research Assistant - uOttawa (09/2018 - 04/2019)

Analyzed water samples to determine TSS, dissolved oxygen, nitrogen, turbidity and phosphorus content

LANGUAGES

English

Native or Bilingual Proficiency

French

Professional Working Proficiency

INTERESTS

Structural Design

Transportation

AWS

Hockey

Web Development

Volleyball

Sustainable Building

ALEX KER

alex.ker@pomona.edu // 170 E. Sixth Street Box #604, Claremont CA 91711-7004 // <https://www.linkedin.com/in/alex-ker/>

EDUCATION

Pomona College – GPA: 3.97/4.0, Claremont, CA

Expected May 2022

- B.A. Computer Science Major, Philosophy and Math Minor
- Relevant Coursework: Logic, Linear Algebra, Algorithms, Data Structures, Linguistics, Machine Learning, Deep Learning, Calculus, Management of Technical Enterprise, Programming Languages, Computer Systems.

WORK & RESEARCH EXPERIENCE

Neurable Machine Learning and Software Engineering Intern, Remote & Boston, MA

May 2020-Present

- Building the next generation of everyday Brain-Computer Interface and Signal Processing Platform.
- Collaborate with Chief Scientist, Senior ML engineers, PMs cross-functionally to design and experiment with end-to-end ML approaches (fast ensemble learning vs. out-of-box) on customer datasets to drive key business decisions.
- Formulated and shipped original Bayesian auto-centring algorithm to enhance event extraction precision and improve performance of downstream model by up to 15% across codebase; currently under consideration for patent.
- Implemented speech recognition pipeline with 92% accuracy to validate product concept which include visualization for explainability and correctness, feature engineering, modelling from traditional ML to pretrained neural networks.
- Generate deal-flow and research for Loup Ventures, investors of Neurable.

Unshackled Ventures Fellow, Remote & Claremont, CA

Sept 2020-Present

- Unshackled Ventures is the first and only early-stage venture capital fund for visionary immigrant founders from day 0.
- Researching, learning about industries and spaces (BCI, Enterprise, EdTech); supporting portfolio operations.
- Represent Unshackled in the Southern California ecosystem; connecting early-stage founders with firm and resources.

Startup Advisor, Remote & NYC, Toronto, LA

July 2020-Present

- Mentor three student startups with underrepresented founders (two in stealth and Spark Study with over 100K raised) weekly in navigating best practices in fundraising, technical recruitment, growth, and operations.
- Support teams in preparing for accelerator/incubator interviews, pivoting, refining pitch decks, evaluating and creating AI/ML models and algorithms, streamlining relevant introductions to investors and key engineering hires.
- Participate and organize various entrepreneurial events in the 5 College Consortium.

Nodes Advisors Venture Partner, Remote & Zurich, Switzerland

April 2019-September 2020

- Nodes Advisors is a buy-side corporate advisory boutique that specializes in the Life Science & Biotech ecosystem helping entrepreneurs raise capital with investor-friendly terms through a network of syndicates/funds.
- Cultivated deal flow in North America and Asia and screened opportunities in Europe for corporate investors.
- Advised strategies for internal artificial intelligence startup and conducted technical due diligence.

LEADERSHIP & COMMUNITY INVOLVEMENT

P-ai Executive Managing Director, Claremont, CA

May 2019-Present

- Founded collaborative project-based organization exploring and democratizing the interdisciplinary applications of artificial intelligence; managed the leadership team and 9 project managers to execute semester-long AI projects.
- Developed website; assembled advisory board consisting of researchers, VCs, and faculty; planned interactive ML workshop series and recruiting efforts including the onboarding of 200+ members.
- Connected and secured 7 students internship/research opportunities to advance their careers in ML/Data Science.
- Hosted a breadth of events including research talks, community bonding, weekly ethics discussions, and Demo Day.
- Partnered with 2 student start-ups to assist the recruitment, building and management their AI component and team.

Greylock Student Community Co-Lead, Remote

Oct 2020-Present

- Organizing student and new-grad learning community and planning events around security tech.

3W Writing Coordinator, Claremont, CA

Sept 2019-Present

- Designed lesson plan and train 5 mentors, 30 students for Weekly Writing Workshop to empower low-income students by strengthening their technical writing skills and creative expression through in-depth, individualized feedback.

Translator, World Robotics Conference (Beijing), TED, California Academy of Sciences, DMOJ.ca

Nov 2015-Feb 2017

- Served as mediator to bridge gap between cultures and resolved linguistic conflict within a technological context.
- Added makeshift components to drivetrains, highlighted alliance strategies, linked robots to central systems and controls, and narrated game for tech industry visitors and curious citizens for 20 teams, 500 members.

ADDITIONAL INFORMATION

Languages: Mandarin (native), English (native), French (proficient)

Skills: Java, Python, JavaScript, HTML, CSS, psiturk, Tensorflow, PyTorch, Squarespace, LaTeX, Community-building

Interests: Creative and Technical Writing (<https://medium.com/@alexker>), Online Courses, Opensource, Canoeing, Brunch.

ALEXANDRA WERNER

170 E. 6th Street #1044, Claremont, CA 91711 | (909) 675-6434 | aswa2018@mymail.pomona.edu

EDUCATION

Pomona College, Claremont, CA

May 2022

Bachelor of Arts, major in Cognitive Science and minor in Linguistics, GPA 3.73/4.0

Relevant Coursework: Human-Centered Design; Intro to Statistics; Intro to Computer Science in Python; Corpus Linguistics; Intermediate Computational Media

WORK EXPERIENCE

Social Media Intern for Pomona Admissions Office, (remote)

Oct 2020-present

- Coordinate weekly takeovers by recruiting students and campus groups to feature on social media accounts
- Generate energetic and fast-paced content ideas with intern team to communicate to Admissions Director
- Evaluate user data from Instagram analytics and increased content interaction by 229%
- Troubleshoot technical issues with student ambassadors and increase survey engagement each week by 78%

Linguistics Mentor Pomona College, Claremont, CA

Jan 2020-Feb 2021

- Mentored 50 students in intro classes and analyzed large linguistic datasets in collaboration using Zoom Whiteboards
- Advised new students on their academic path within the Linguistics and Cognitive Science Department
- Managed class answer sheets by proactively communicating with professors across 2 online classes

Undergraduate Independent Researcher Pomona College, (remote)

Jun-Aug 2020

- Led independent research project over 10 weeks with a \$2,500 stipend to present in the Fall 2020 College Symposium, evaluating how emotion, bilingualism, and decision making interact in speech-sign bilinguals
- Interviewed 5 eminent professors in field of bilingual cognition to incorporate detailed insights into my research
- Organized weekly progress meetings with academic advisor to shape self-directed, autonomous project timeline

Digital Marketing Intern at Motivation Digital Start-up, London, United Kingdom

Jun-Jul 2019

- Increased customer engagement by 61% to homepage and social media platforms via growth-driven design using Google Analytics and formulated 6 blogs for new webpage
- Presented weekly recommendations to CEO on maximizing the digital marketing sales funnel by 24%
- Used Teamwork software to manage projects and cross-collaborate with digital marketing team, software engineers, and graphic designers

LEADERSHIP AND CO-CURRICULAR ENGAGEMENT

Associate Consultant in Pomona Consulting Group (remote)

Sep 2020-present

- Brainstorm and collaborate with team members using design thinking to generate real business value for clients
- Communicate strategies and recommendations to senior clients and executive leadership team with weekly deliverables

STEM Peer Mentoring Pomona College (remote)

Aug 2020-Dec 2020

- Designed surveys using Qualtrics and Survey Monkey to gather data on student experiences in mentor sessions
- Analyzed survey data to maximize student experience of online mentor session tools, such as Mural and Gather
- Increased student engagement and mentor session attendance each month by 71%

SKILLS

- **Language:** English (Native), German (Advanced), Spanish (Basic), French (Basic)
- **Software:** Excel (Advanced), SPSS (Advanced), Google Analytics (Proficient), Python (Proficient), Qualtrics (Basic), R (Basic)

AWARDS

- **2019 and 2020 CSCAA Swimming Scholar All-American:** Awarded to student-athletes with a GPA of 3.50 or higher who participated in the NCAA championship

Amelia Kush

Student interested in human cognition and artificial intelligence

1015 Mountcastle Crescent
Pickering ON, L1V 5J4
289-923-2373
ameliaakush@gmail.com
amelia.kush@mail.utoronto.ca

EXPERIENCE

Private Tutoring Practice

December 2020 - Present

Meeting with students weekly to help them practice important skills before reaching University such as critical thinking and mathematical sense. Slideshow based lessons and homework prepared for each week.

UofT AI, Toronto ON — *General Executive*

April 2020 - Present

Helped organize and run the group's annual conference with a focus on ethics in machine learning: The UofT AI Conference. Participated in AI paper readings and research with other group members.

Cognitive Science and Artificial Intelligence Student Association, Toronto ON — *Admin*

January 2020 - Present

Running weekly office hours to help Cognitive Science students understand course material and get better results on essays and exams.

LCBO, Pickering ON — *Seasonal Customer Service Rep*

May - September 2019

EDUCATION

University of Toronto, Toronto ON — *Honours Bachelor of Science, Cognitive Science: Computation Stream*

September 2018 - Present

CGPA: 3.24/4.0

PROJECTS

Machine Learning Group Project — January -March 2020

For the student run workshop LearnAI, organized by UofTAI

Android Game Dev Group Project — Sept - December 2019

For university course CSC207 Software Design

SKILLS

- Multitasking
- Memorization
- Attention to detail
- Organization
- Problem Solving
- Self-motivation
- Flexibility
- Learning quickly

- Curious always, willingness to learn

- Excellent written and oral communication

- Microsoft office proficiency

- Experience programming in Java and Python

- Android app development experience

- Knowledge of OOP software design principles

- Experience using Git and Github

- Experience using machine learning libraries such as Tensorflow and Keras

Andrea Lau

(647)-995-8203 | alau.hba2022@ivey.ca | ca.linkedin.com/in/andrealaual

EDUCATION

| | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| Ivey Business School, Western University , London, ON, Canada <i>Candidate for Bachelor of Arts, Honors Business Administration (HBA) – Consumer Behavior Specialization</i> | September 2018 – April 2022 |
| <ul style="list-style-type: none">• Dean's Honor List (2019 – 2020)• Recipient of Western Scholarship of Excellence (\$2,000) for 90%+ entrance average (2018) | |

WORK EXPERIENCE

| | |
|---------------------------------------------------------------------------------------------|---------------------------------|
| Toronto-Dominion Bank (TD) , Toronto, ON, Canada <i>Marketing Strategy Intern</i> | Scheduled May. 2021 – Aug. 2021 |
|---------------------------------------------------------------------------------------------|---------------------------------|

| | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| Hostfully , San Francisco, CA, United States <i>Sales and Marketing Strategy Intern (Remote)</i> | Jul. 2020 – Sept. 2020 |
| <ul style="list-style-type: none">• Constructed cohesive brand guidelines and templates for content marketing to create a more streamlined look across all company platforms; increased social media engagement and reach by 161% and 74% respectively• Collaborated with the marketing team to execute marketing campaigns and paid Facebook/Instagram advertisements; effectively reduced cost per lead from \$63 to \$16 in three months• Utilized web development tools including HTML and CSS to configure and enhance UI/UX of organization website; increased the readability and search engine optimization of 200+ blog posts | |

| | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| AIESEC Canada , Prague, Czech Republic <i>International English Teacher, Exchange Participant Manager</i> | May. 2019 – May. 2020 |
| <ul style="list-style-type: none">• Went on a six-week volunteer trip to teach English to 200+ students aged 3-19 at villages in the Czech Republic• Led games and activities to engage classrooms of 30+, organized interactive presentations showcasing Canadian and Chinese culture, and provided global perspectives to encourage students to learn English• Collaborated with youths within the Outgoing Volunteer portfolio, across departments, and in foreign countries to facilitate 20+ international exchanges with a focus on social impact for students at Western University | |

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| Prep101 , London, ON, Canada <i>Operations Associate</i> | Aug. 2019 – Feb. 2020 |
| <ul style="list-style-type: none">• Served as an Ambassador at Western University; referred 50+ students of all faculties to different programs and employed marketing campaigns across campus through word-of-mouth, pamphlets, and social media ads• Collected feedback and data from 600+ students to revamp and improve operations, and provided recommendations to management for a new revenue stream that was implemented• Evaluated weekly and annual Point of Sale data by updating Excel dashboards; analysis was communicated weekly with managers to track trends and promotional effectiveness | |

EXTRA-CURRICULAR ACTIVITIES & INTERESTS

| | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| Western Artificial Intelligence , <i>Media Coordinator</i> | 2019 – Present |
| <ul style="list-style-type: none">• Analyzed artificial intelligence trends and developed media campaigns to attract Western University Students to join the club and participate in club events and project teams | |

| | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| Taiwanese Association at Western , <i>Special Events Coordinator</i> | 2018 – Present |
| <ul style="list-style-type: none">• Coordinated an annual largescale event (TAW Night Market, 500+ attendees) through a variety of fundraisers• Raised over \$6000+ in the past year and increased sales by 30% through new initiatives such as the Succulent Sale | |

| | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| The E3 Challenge , <i>Events Partnership Team Associate, Peer Advisor</i> | Jun. 2018 – Aug. 2020 |
| <ul style="list-style-type: none">• Cold-called and emailed 100+ companies for events sponsorships; secured partnerships with TD and Jam City• Mentored 10 students through challenges designed to develop skills in financial literacy, marketing, and strategy | |

Certifications: Bloomberg Market Concepts, Hubspot Inbound Marketing, Advanced Google Analytics

Technical Skills: Salesforce CRM, Microsoft Office, Adobe Creative Suite, Tableau, Content Management (CMS)

Interests: Team sports, travelling, food blogging, music festivals, instruments(piano/guitar), coding

ANDREW FRYER

461 Rougemount Dr., Pickering | andrew.fryer@queensu.ca | (289) 624-9823

EDUCATION

Queen's University, Faculty of Applied Science, Kingston ON

- Currently in 3rd year of Computer Engineering Innovation Stream
- 4.0 GPA

EXPERIENCE

Software Engineering Internship for Kings Distributed Systems (2020):

Worked on the core team to build a distributed computing network using web technologies. Personal work included building a repl to test an in-house sandbox and a system to automatically encrypt and configuration files. (<https://www.npmjs.com/package/dcp-client>)

Student Software Developer for Vena Solutions (2018-2019):

Full-stack development using Java, Git, Github, React-Redux, Postman, mySQL, msSQL, and MongoDB

Android App Development Consultant (2019):

Built mobile and web app for FLAP Canada with support from the Canadian Wildlife Federation. The App will first be used to assess the risk that Canadian Federal Government buildings pose to wildlife.

(<https://flap.org/birdsafe-diy-building-risk-assessment-app/>)

QMIND Project Manager (2019):

Using machine learning techniques to perform financial planning and analysis

(<https://github.com/QMIND-Team>)

INTERESTS

Sports:

- Competed at Ontario championships in sprint canoeing, mountain biking, Nordic skiing, and cross country running
- Participated in house league hockey, soccer, and volleyball

Music:

Proficient playing a variety of instruments in jazz, pop, and concert styles, as well as playing in a pit band (trumpet, drums, bass guitar)

REFERENCE

John Forsyth, Manager

Vena Solutions

(647) 285 -0571

johnforsyth999@gmail.com

Michael Mesure, Executive Director

Fatal Light Awareness Program Canada

(905) 649 -9223

executivedirector@flap.org

ANDREW KATES

andrew.kates@queensu.ca | +1 (250) 317-0849 | linkedin.com/in/andrewrkates

EDUCATION

B.A.Sc. Applied Mathematics and Computer Engineering, Queen's University, Kingston, ON Class of 2022

- **Cumulative GPA:** 4.10/4.30 (A+ in Advanced Calculus, Computer Science, Digital Systems, Economics & Business)
- **Awards:** Chancellor's Scholar (50 selected from 5000+ high-school nominated applicants to receive \$36,000 scholarship recognizing superior academic ability, original thinking, and proven leadership qualities); Les Gulko (#1 in class of '22)

PROFESSIONAL EXPERIENCE

Technology Deployment Strategy & Business Development Intern, Validere, Calgary, AB Summer 2020

- 14-week internship at Validere, a Y Combinator backed, Harvard-originated & Silicon Valley funded startup providing AI & IoT services to the Oil & Gas industry with the goal of increasing operational efficiency and profit margins
- **Project 1: Developed and Presented a Business Case on a New AI Product to Executive Management**
 - Identified industry pain-point regarding oil volume allocation and theorized optimization solution using differential evolution optimization; conducted strategic & value analysis, pitched solution to upper management and received 100% buy-in
- **Project 2: Redeveloped Sales Demos to Increase Sales Conversions and Customer Buy-In**
 - Led a project developing scripts for 7 product demos and a repeatable framework for all future demos; used persona analysis and story-based structure to sell and communicate complex technical products

Summer Intern, Global Bioethics Initiative, United Nations, New York City, NY Summer 2019

- 12-week internship with a non-profit project that focuses on research, education, and policy recommendations
- **Project 1: Conducted Research on Emerging Biotechnologies and Associated Ethics**
 - Leveraged commercially acquired data and expert interviews to provide commentary on new biotech technologies and their respective ethical considerations; authored articles on findings and presented subject matter to 30 person bioethics class

EXTRACURRICULAR EXPERIENCE

Consultant, CREO Solutions, Kingston, ON 2020 - Present

- Selected as one of five individuals from the class of 2022 to work for CREO Solutions, a student-run consultancy serving SMEs across North America: past clients include Barclays, National Bank, and Toronto Star
- Personally managed fleet-route optimization software vendor selection for a logistics company with 35MM revenues; pitched analysis to IT executives and received 100% buy-in

Director of Finance & Sponsorship, 42nd Ontario Engineering Competition, Kingston, ON 2019 - Present

- Hired to manage a \$250,000+ operating budget; oversaw financial forecasting and expense management
- Lead a 7-person team in securing \$150,000 to major corporations including Huawei and Hatch

AI Business Startup Lead, QMIND, Kingston, ON 2019 - 2020

- Among 10% of QMIND applicants selected to lead a B2B SaaS startup program
- Worked with engineering, computer clients and commerce students to develop an applied AI solution targeting the recruitment and talent acquisition space; developed pitch decks and business model canvas to present to a panel of venture capitalists in Toronto

ADDITIONAL INFORMATION

- **Quantitative Skills:** C, Matlab, Python, Java, PostgreSQL; Mathematics; Lunar Rover Anchor - Canadian Space Agency
- **Music:** Competitive Pianist, Trumpet Player; Lionel Hampton International Jazz Festival Outstanding Performer, 4-time BC Interior Jazz Festival Outstanding Soloist
- **Interests:** Technology, Entrepreneurship & Strategy, Hockey, Karate, Outdoors (Sailing, Bungee Jumping, Portaging)

ANGELA XU

angela.xu@queensu.ca | 416-880-7296 | <https://www.linkedin.com/in/angelaxu99/>

EDUCATION AND AWARDS

Bachelor of Commerce, Smith School of Business, Queen's University, Kingston, ON 2018 – Present

- **Academics:** GPA of 4.20/4.30; Dean's List with Distinction (Top 10%); Certificate of Social Impact (Candidate)
- **Relevant Coursework:** A+ in Finance I & II, Organizational Behaviour, Statistics, and International Business
- **International Exchange:** Scheduled to complete a semester at Nanyang Technological University in Singapore in 2021

EMPLOYMENT EXPERIENCE

Strategic Initiatives Associate, CIBC, Toronto, ON Summer 2020

- Completing a 16-week internship with the Delivery & Operational Effectiveness team with a focus on COVID-19 response
- **Project 1: Financial Literacy Initiatives Targeted to Youth Aged 12-17**
 - Created a national engagement plan for youths through research and evaluation of trends in financial education, designing an overarching strategy, expecting to reach 150,000+ students across Canada within first year of launch
 - Developed financial projections for next five years considering both virtual delivery and in-person program formats
- **Project 2: Enterprise Real Estate Integration**
 - Projected short- and long-term implications on delivery of project due to COVID-19, including mitigation strategies
 - Recognized by senior directors for attention to detail and creative thinking when developing overall scope of project
- **Project 3: Technology Implementation for Frontline Workers**
 - Selected as the only intern to work directly with Senior Project Managers and Directors to develop E2E & E2C technology rollout plan for 8,000+ users in Retail Banking and Wealth services in 340+ key markets
 - Co-led status update meetings with 25+ attendees and facilitated communication between different lines of business

Undergraduate Teaching Assistant (COMM 105, 111, 162), Smith School of Business, Kingston, ON 2019 – Present

- Selected to work alongside professors for three courses: Business Communication, Financial Accounting, and Statistics
- Encouraged student development by delivering empathetic and constructive feedback on 300+ assignments and presentations
- Led weekly tutorials with 80+ attendees for Statistics; reviewed in-class material and resolved student questions

Channel Solutions Intern, Workplace Safety & Insurance Board of Ontario (WSIB), Toronto, ON Summer 2019

- Identified, assessed and resolved clients' issues regarding case management through compassionate communication
- Exceeded average client's satisfaction rate and call handling time by 15% for 35+ client interactions per day
- Developed relationships within cross-functional teams and external stakeholders to ensure return to work plan is understood

EXTRACURRICULAR ACTIVITIES

Consultant, FreshSight, Kingston, ON 2019 – Present

- Collaborated with a team of four consultants with guidance from PwC and EY to offer pro-bono consulting services
- **Project 1:** Analyzed a UNESCO site's financial structure and developed a strategy to increase revenue by 30% through a tiered membership structure, new corporate donor incentive plan, and marketing campaign for its summer programs
- **Project 2:** Remodeled review and approval processes for a grant application center by analyzing current bottlenecks; researched potential technological platforms and introduced SurveyMonkey Apply to accelerate review efficiency by 20% through workflow automation
 - Received the *Client Satisfaction Award* for outstanding quality of project work based on client surveys out of six teams

Outreach Coordinator, Queen's Commerce Society, Kingston, ON 2019 – 2020

- Planned and executed community charity events including Holiday Hope; increased number of Christmas gifts for underprivileged children in Kingston by 20% from previous years
- Initiated and maintained 10+ partnerships with community sponsors and clubs/committees to implement key initiatives such as Outreach Week, raising total amount exceeding \$1,500 to local charities

Board of Ambassadors, CPA Ontario, Kingston, ON 2019 – 2020

- Managed a campus team of six to promote and advocate benefits of CPA designation to Commerce students
- Initiated three additional workshops with 50+ attendees on investing and personal branding; pursued and secured 10+ partners

ADDITIONAL INFORMATION

- **Case Competitions:** DECA Queen's (1st Place); Queen's Case Competition; Queen's Corporate Case Competition (Q3C)
- **Other Involvements:** Partnerships Director at QHacks; Membership Coordinator at Queen's Consulting Association
- **Languages:** Mandarin – Native/bilingual proficiency; French – Beginner
- **Awards:** Town of Richmond Hill Youth Volunteer Achievement Award (2018): awarded to one person <18 years old who has made a significant impact in the community through volunteerism
- **Interests:** Podcasts, avid reader (currently reading: *Becoming* by Michelle Obama), Pilates, music (Principal flute/piccolo player for York Regional Police Band from 2015-18)

ANIRUDHA VERMA

anirudhverma29@outlook.com | +1 647 325 6414 | www.linkedin.com/in/vermaa/ | www.github.com/18Anirudhav

EDUCATION

Queen's University, Ontario, Canada

September 2018 – April 2022 (Expected)

Bachelor of Computing (Honours), Specialization in AI: Algorithms, Artificial Intelligence, Computer Architecture, Data Structures, Differential & Integral Calculus, Discrete Math, Linear Algebra, Logic, Statistics, Software Development, Software Architecture

Minor in Economics: Mathematical Economics, Microeconomic Theory, Macroeconomic Theory, Tax Policy

Machine Learning, Stanford University (Coursera Certificate Program)

December 2020 – Present

EXPERIENCE

QMIND, Kingston, Canada | Project Manager

April 2020 - Present

- **Leading and teaching a group of 4** to use **Python** for a machine learning project that leverages both technical analysis and Twitter sentiment analysis to predict stock prices (increase/decrease only) to create small, low-cost ETFs.
- Using the **Twitter API, NumPy, Pandas, Scikit-Learn, vaderSentiment, Matplotlib and Seaborn** for the project.

ALTRUI, Remote, Thailand | Intern

August 2020 – January 2021

- Redesigned a **Python curriculum** to reduce redundant content making it 20% more efficient when collecting data from it.
- Created quizzes, questions and assignments that allow the team to gain insights into a student's individual performance, allowing us to **increase efficient content delivery by 40%** using **JavaScript, HTML, CSS and AWS**.

AIR ASIA PLC, Bangkok HQ, Thailand | Full Stack Developer (Internship)

June 2019 - August 2019

- Created from scratch a desktop application allowing employees of the Flight Crew Department to **increase efficiency by 70%** when being reviewed by Airports of Thailand (AOT) using **Java, SQL, Python**.
- **Reduced the time to search** for multiple departments through a large database of nested folders containing personal employee information by **over 50%** using **Java, SQL, Python and MySQL** via the same app.
- Consulted on a **linear regression model** on an ongoing engineering project that determines when a part of a plane may malfunction, using **TensorFlow, Keras and Scikit-Learn in Python**, estimated to **save over \$2000 USD per hour of delay**.

PROJECTS

Queen's vs Wester: A Tower Defense Game

September 2020 – December 2020

- Implemented a 2-D, 8-bit, tower defense game using **C++ and Cocos2d** in a team of 6 people.
- Utilized **JIRA and Confluence** to communicate, debug and work efficiently. Sprints were used to organize the team efforts.
- Resulted in steep improvement in the knowledge of **object-oriented programming, testing** and the **agile** methodology.

Stop Slouching

December 2020 – January 2021

- Created a chrome extension that reminds a user to stop slouching at chosen intervals using **HTML, CSS, JavaScript**.
- **Debugged and tested** all issues that arose and used an **agile** methodology to develop the extension.

Credit Card Fraud

October 2019 – April 2020

- Analyzed a given credit card fraud dataset to achieve **over 85% accuracy** on 3 different models: **Artificial Neural Networks, Anomaly Detection Algorithms and DBSCAN** using **Python, Pandas, NumPy, Scikit-Learn, Matplotlib, Seaborn**.
- Presented the results of the project at the Canadian Undergraduate Conference on AI, the largest undergraduate AI conference in Canada.

TECHNICAL & SOFT SKILLS

- **Languages (In order of experience):** Python, Java, JavaScript ES6+, HTML, CSS, C++, MATLAB, Prolog, Haskell, Assembly
- **Libraries/Technologies:** React.js, Node.js, TensorFlow, Keras, Pandas, Scikit-Learn, NumPy, Matplotlib, SQL, AWS, JIRA
- **Software:** Git, Excel, Word, PowerPoint, MySQL, MongoDB | **Concepts:** OOP, Agile, Scrum, Debugging, Testing, REST API
- **Spoken Languages:** [Advance]: English, Hindi, [Intermediate]: French, [Basic]: Thai, Spanish.

As a Canadian Permanent Resident, I am eligible to work in Canada.

ANSHUL PATTOO

anshul.pattoo@queensu.ca | 416-841-8298 | www.github.com/anshulpattoo

EDUCATION

Bachelor of Computing (Honours): Computer Science, Queen's University, Kingston, ON 2018 – Present

- Overall GPA: 3.6/4.0; Fall 2020: 3.9/4.0; Dean's Honour List (2020)
- Excelled in relevant coursework: Data Analytics (A+), Neural and Genetic Computing (A), Data Structures (B+), Operating Systems (A-), Programming Paradigms (A+), Software Specifications (A-), Computer Architecture (A-)

Northfield Mount Hermon School (NMH), Mount Hermon, MA 2015 – 2018

NMH is a member of the Eight Schools Association: a group of top private college-preparatory schools in the northeast US

SOFTWARE PROJECTS

COVID-19 Chest X-ray Classification

- Designed a novel extension of a state-of-the-art convolutional neural network (NASNetMobile) that identifies COVID-19 patients based on chest x-rays; modified network topology with dense layers and a decaying learning rate
- Improved existing academic research on use of deep learning models for COVID chest x-ray classification by achieving strong performance results: a 99% accuracy, 98% precision, and 100% recall
- Utilized: Google Colab, Python, TensorFlow, Keras, SK Learn, NumPy, Pandas

Prediction of Winning Candidate for US Presidential Election

- Implemented a recurrent neural network model that predicts the winning candidate for a US presidential election based on language patterns in campaign speeches; surveyed other models as well, such as random forest and support vector machine
- Developed results of existing academic paper by achieving performance of 97% accuracy, 98% precision, and 99% recall
- Utilized: Jupyter Notebook, Python, NLTK, TensorFlow, Keras, SK Learn, NumPy, Pandas

Queen's Tour Guide Web Application

- Collaborating with Queen's Admissions to build a large full-stack web application that is an audio guide for a campus tour
- Using the Google Maps and Location APIs to initiate an audio narration based on the location of the user on campus
- Utilizing: HTML, CSS, JavaScript, Node.JS, Webpack, Heroku, Google Cloud Platform

Node Degrees

- Devised a program that finds the minimum degrees of separation between any two GitHub repositories that use a notable Node.JS package: two repositories are connected to one another by a mutual developer
- Leveraged data structures course knowledge to implement a breadth-first search that finds the degrees of separation
- Utilized: HTML, CSS, JavaScript, Node.JS, and Python

RELEVANT EXPERIENCE

Teaching Assistant (Operating Systems), Queen's University, Kingston, ON Jan 2021 - Present

- Marking problem papers and programming assignments in C and Java; communicating core concepts in tutorials of 20+ students; assisting the professor in the teaching of the course content during lectures; sole undergraduate on TA team

Software Developer, Queen's Machine Intelligence and Neuroevolution Design (QMIND), Kingston, ON Sep 2019 – Present

QMIND is Canada's largest undergraduate AI and machine learning organization, with over 200 members and 30+ client-facing consulting teams; design teams innovate AI solutions to real-world problems, producing tangible value and cost savings

- Developing an interpretable model that optimizes hospital staff scheduling, culminating in a presentation to experts in industry and academia at the Canadian Undergraduate Conference on Artificial Intelligence (CUCAI); work done on a cross-functional design team and with a corporate client, MeshAI, that builds scheduling software for hospitals

LEADERSHIP EXPERIENCE

External Affairs Director, Computing Students Association (COMPSA), Kingston, ON May 2020 – Present

- Spearheading a team of four to form corporate partnerships with Fortune 500 companies and startups

St. Albans School of Public Service, Washington, D.C. Jun - Jul 2017

- Undertook an in-depth summer study alongside 30 top US students in American government and law
- Learned from and spoke with notable individuals involved in American political life, including ambassadors, Pulitzer prize winning reporters, members of Congress and a sitting Supreme Court Justice, via both private and group discussions

ADDITIONAL INFORMATION

- Technical skills (*proficient*): Python, Java (*familiar*): SQL, C++, C, HTML, CSS, JavaScript (ES18), TensorFlow, SK Learn, Bash
- Expanding knowledge of database design and technologies with coursework in Docker and Kubernetes
- Languages: English (Native), French (Fluent); Interests: finishing movies on the IMDB top 250 list; Zeta Psi fraternity

ANTHONY REYES

anthony.reyes@queensu.ca | 613-408-7047 | <https://www.linkedin.com/in/anthony-reyes8/>

EDUCATION

- Bachelor of Applied Science**, Queen's University, Kingston, ON (3rd year) 2018 – 2022
- Majoring in applied mathematics and computer engineering
 - Excellence scholarship awarded upon admission (>90% average in top six high school courses)
 - Relevant courses; Linear Algebra, Data Structures, Algorithms, Database Management

- Ontario Secondary School Diploma**, Ridley College, St. Catherine's, ON 2016 – 2018
- Academic Honor Roll

PROFESSIONAL EXPERIENCE

- Self-Employed**, Landscaping Business, Ottawa, ON 2020
- Completed 18 interlocking and fence building jobs with complete customer satisfaction
 - Negotiated prices with clients to ensure profit margins of at least 50%
 - Leveraged previous connections to secure discounts on machinery (40%) and materials (35%)

- Landscaping Summer Student**, Champagne Construction and Interlocking, Ottawa, ON 2018 – 2019
- Built interlocking driveways, steps and fences
 - Tasked with a higher level of responsibility on the job site (operating machinery, Bobcat)
 - Emphasized hard work and perfection in completing tasks

EXTRACURRICULAR EXPERIENCE

- Queens' University Business and Engineering (QUBE), Consulting** March 2020 – Present
- Used advanced excel skills to find trends in venture capital markets, presented findings to Kanata Ventures
 - Sharpened communication skills (both verbal and written) through weekly zoom meetings and two mock case competitions
 - Developed prioritization skills by being a member of a demanding extracurricular and taking a full course load

- Queens' University Business and Engineering (QUBE), Analyst** March 2020 – Present
- Created factor investment strategy for financial services firms based upon asset growth and ROE using Morningstar CPMS
 - Worked under a portfolio manager and learned how financial markets operate
 - Broadened knowledge of financial markets (debt, equities, futures, mining) through weekly discussions with team members

- QUANTT, Analyst** 2019 – Present
- Wrote a trading algorithm which achieved 29.68% total returns with a Sharpe ratio of 1.68 between January 5th - August 5th, 2020
 - Organized large amounts of data in the research process to improve back testing efficiency
 - Won stock trading competition (\$200 cash prize)

ADDITIONAL INFORMATION

- **Software Skills:** Proficient in the following programming languages; python (LinkedIn learning course and independent projects), C (introduction to computer programming course), Java including GUI in Java (Object Oriented Programming course), and SQL (independent projects)
- **Member:** qHacks 2021
- **Bilingual:** English and French
- **Interests:** Investing, Sports (Hockey and Soccer >10 years at a competitive level), Reading, Chess and Hiking

Antonio Revilla

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<https://github.com/antonio-revilla> • linkedin.com/in/antonio-revilla-aa9a0a192

EDUCATION

POMONA COLLEGE

Major: Computer Science (GPA: 3.6)

Coursework: Intro to Python w/ Topics in AI, Discrete Mathematics/Functional Programming, Data Structures/Adv Programming, Computer Systems, Intro to Languages and Theory, Computational Neuroscience, Linear Algebra

Claremont, CA

Aug 2018 - May 2022

COURSERA - STANFORD UNIVERSITY

Machine Learning

Online

Jul 2020 - Present

EXPERIENCE

P-AI 311 PROJECT MEMBER

P-AI Club

- Implemented SGCRC machine learning model to predict estimated time of completion for LA County 311 requests.
- Constructed various data set visualizations for analyzation of request number change per council district of LA County.
- Mapped data to observe the effect COVID-19 has had on 311 requests.

Claremont, CA

Aug 2019 - Jan 2020

TEACHING ASSISTANT: DATA STRUCTURES/ADV PROGRAMMING (CSCI062)

Pomona College Computer Science Dept.

- Led biweekly mentor sessions for over 30 students.
- Graded various Java assignments using JUnit framework.
- Would walk student through debugging assignment code.

Claremont, CA

Aug 2020 - Present

EASYLABS SDE INTERN

EasyLabs.org

- Designed various user interfaces in Figma for integration with REACT.
- Built multiple interfaces for displaying lab data search results.
- Working to integrate photo OCR on the platform.

Remote

Apr 2020 - Oct 2020

RESEARCH ASSISTANT - FAIM LAB

Formal Analysis of Interactive Media Lab

- Built simplified game-modeling environments for AI player training.
- Implemented more adaptable game-modeling environments using Python and PyGame.
- Collaborated with a research team of 4 to integrate simplified game models for incremental search training (RRT).

Claremont, CA

Nov 2019 - May 2020

INDIVIDUAL PROJECTS

COVID-19 DATA WEBSRAPER W/ VOICE ACTIVATION

Jul 2020

- Built a voice assistant that would relay webscraped COVID-19 data using Python.
- Implemented regex patterns for voice command recognition.

REAL-TIME FACIAL RECOGNITION

May 2020

- Built a real-time facial recognition program using Python and OpenCV.
- Implemented HaarCascade algorithm for training facial data.

ON-DISK SORTER

March 2020

- Constructed an external sorting (on-disk) program in Java.
- Implemented an algorithm that splits files into chunks and uses mergesort to merge files.

SKILLS

- **Technical:** Java, Python, C, Matlab, Ocaml, Asana(scrum), JUnit, GIT, LaTeX, Debugging
- **Languages:** English, Spanish
- **Other:** Collaboration, Leadership, Troubleshooting

ACTIVITIES

5C HACK CLUB

- Helped organize and fund the 5C HACKATHON.
- Created graphic design visuals for HACKATHON advertising.

WILDERNESS FIRST RESPONDER

Dominical, Costa Rica

- Earned Wilderness First Responder certification through a 100 hour course.
- Developed leadership skills through medical team collaboration.

Ariana Bakhtyari

617.939.4487

17ab70@queensu.ca

Citizenships

- United States of America & Canada

Education

Queen's University, Kingston, ON, Canada

Expected Apr 2022

- Bachelor of Applied Science in Applied Mathematics and Computing & Communications Engineering Class of 2022

Work Experience**Software Engineering Intern-** Cadence Design Systems Inc.

Apr 2020-Aug 2020

- Worked on an ML algorithm for multi-layer PCB layout to achieve the optimal layout while minimizing surface area
- Designed a UI to visualize and acquire data from the ML algorithm
- Collaborated on the frontend to display the PCB layout

Summer Intern—InnovaSea Systems, Inc.

Jun 2019-Aug 2019

- Annotated data for machine learning models
- Validated the trained models on test data
- Developed Python scripts to get statistics of fish images captured by the camera
- Identified and reported failures to the team
- Learned about object recognition, aquaculture, and basic ML models

Math Tutor—Russian School of Math, Boys and Girls Club/ Private Tutor

Sep 2015-May 2018

- Tutored children, ages 7-12 in a variety of mathematics subjects
- Taught children how to analyze and efficiently solve math problems
- Organized educational and enjoyable activities for students

Additional Experience

QMIND AI Team Lead

Sep 2019-Present

- Using cutting-edge machine learning and AI technology at Queen's University
- Leading a group of students on developing an AI algorithm for scheduling rule extraction
- Developed a neural network and an ARIMA model for the local hospital operations optimization

Engineering Society- Marketing Design Manager

Apr 2020- Present

- Managing the marketing and graphic design team
- Point of contact for clients and managing their requests
- Managing all social media platforms for the Engineering Society, increasing engagement by 100%

Orientation Leader & Mentor

Aug 2019-Apr 2020

- Managed and organized activities for freshman engineering orientation week
- Provided academic, mental, emotional, and physical support

Courses

- MTHE 351: Probability I
- MTHE 334: Math Methods for Engineering & Physics
- MTHE 326: Functions of a Complex Variable

ELEC 371: Microprocessor Systems

ELEC 365: Algorithms

Skills

- MATLAB, Solid Edge, C programming, Java, python
- Proficient in Excel and Microsoft Word
- Trilingual/fluent in English, French, and Farsi

Ashvin Ananthan

23 Nettles Street, Vaughan, ON, L4H 0W8
T: 647-979-4170; E: aananth4@uwo.ca

Education

| | |
|-----------------------------------------------------------------------------------|----------------------------|
| Western University , London, Canada <i>Bachelor of Medical Sciences</i> | <i>2018-Present</i> |
| • The Western Scholarship of Excellence • Dean's Honour List | <i>2018 2019, 2020</i> |

Work Experience

| | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| Honda of Canada Manufacturing , Alliston, Canada <i>Production Associate</i> | <i>Summer 2019</i> |
| • Worked on all the processes within the zone that led to the production of the floor composition of the 2019 Honda CR-V • Completed quality checks on the welds of the frame to ensure that the standard was met | |

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| Gap Factory Store , Vaughan, Canada <i>Sales Associate</i> | <i>2017-2018</i> |
| • Provided service to all customers who entered the store; assisted with finding articles of clothing, providing opinions on certain pieces, and attending to any questions • Organized and folded clothing; ensured that store was in best possible shape | |
| Mackenzie Health Richmond Hill Hospital , Richmond Hill, Canada <i>Physiotherapist Assistant</i> | <i>2017</i> |

Extra-Curricular Activities and Interests

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| Learning it Together , London, Canada <i>Student Mentor</i> | <i>2019-Present</i> |
| • Worked through various activities with a younger buddy • Activities included reading, drawing and playing with all children involved in the program | |
| Mackenzie Health Richmond Hill Hospital , Richmond Hill, Canada <i>Volunteer Health Aid</i> | <i>2015-2019</i> |
| • Provided snacks, coffee, and other refreshments to patients • Prepared set-ups for dialysis, and packaged sets of needles, bandages and gauze | |
| Science Rendezvous Festival , London, Canada <i>Volunteer</i> | <i>Summer 2019</i> |
| • Introduced iPad app to parents and children; educated eventgoers about the connection between cognitive strength and technology • Assisted with psychology booth that revolved around promoting “brain games” for children | |

Interests: Photography, Fashion, Music, Volunteering, Research, Badminton, Fitness.

Contact Info

Awni Altabaa

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Qualifications

- Skilled programmer; Experience with: *Python*, C, C#, Assembly
- Strong grasp of computer science fundamentals, algorithms, data structures, and design patterns
- Theoretical and practical knowledge of machine learning and deep learning algorithms
- Knowledge of tensorflow deep learning framework (including functional API and subclassing API)
- Knowledge of scientific computing libraries: numpy, scipy, sympy, scikit-learn, matplotlib, ...
- Experience with cloud computing (Azure) and working with large datasets/training large models
- Experience conducting artificial intelligence research
- Deep foundational understanding of mathematics relevant to artificial intelligence

Education

Expected May 2022

Queen's University – Applied Mathematics and Engineering (Specialization: Systems & Robotics) [GPA: 4.14/4.30]

- Relevant courses: data structures & algorithms, computer architecture, microprocessor systems, linear algebra, probability theory, multivariable calculus, analysis courses (real, complex, functional), control theory, signals & systems, ...

Experience Highlights

September 2020 – April 2021

3D Object Classification AI Research Project – Team Lead

- Lead team of four undergraduate students in research project on RGB-D computer vision.
- Conducted literature review of state-of-the-art RGB-D object classification/segmentation models.
- Built two-stream branched model (informed by research consensus) and tested against benchmark dataset.
- Implemented transfer learning feature extraction to optimize RGB stream of model.
- Implemented spatial embeddings to capture a good representation of depth information in depth stream of model.

January 2020 –

Neurol (Brain-Computer Interfacing Python Package) – Independent Software Development Project

- Built software package for implementing modular brain-computer interfaces (BCIs) [published on Python Package Index; MIT license]. Intended for use by DIY BCI-builders and researchers.
- Implemented features to manage streams of brain data, define BCI behavior, and deploy BCI.
- Built/trained and included machine learning models to classify common brain signals to aid in defining BCI behavior for common use cases.
- Wrote documentation explaining package including interactive notebook examples.

June 2020 – August 2020

HSBC Global Banking and Markets, Toronto (remote) – Data Science Intern

- “Credit health deterioration forecasting” project: from data collection to modeling
 - Built dataset of ~800,000 news headlines associated with ~4,000 companies from 2018Q1-2020Q2.
 - Built regression models to predict quarterly credit health from financial statements achieving R-squared of ~0.81.
 - Built timeseries forecasting models to predict changes in credit health using historic financial statements and news sentiments (NLP); validated against baseline models (e.g.: persistence).

September 2020 – April 2021

Queen's University, Kingston (remote) – Mathematics Teaching Assistant

- Prepared and taught tutorial sessions for 50-60 students in calculus and linear algebra courses.

BALDEMAR AGUIRRE

CAREER OBJECTIVE

Helping companies to find valuable insights through process data for better customer service.

EXPERIENCE

DATA ANALYST

Datum Analytics, Saltillo, Coahuila / Aug 2019 - Dec 2020

- Extract valuable data for statistical analysis using Python and R.
- Development of KPI's from data for proper visualization and decision making.
- ETL tasks automation.

QUALITY INSPECTOR

KSR, Saltillo, Coahuila / Jan 2018 - Dec 2018

- Checking finished product to meet customer specifications for quality assurance.

INFORMATION ANALYST

Schneider Electric S.A. de C.V., Celaya, Guanajuato / Sep 2015 - Dec 2016

- Analysis of electrical & gas consumption bills to identify seasonal trends for future savings.
- Monthly reports for company clients.

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9, Saltillo, Coahuila, 25253

EDUCATION

UNIVERSIDAD AUTÓNOMA DE COAHUILA Saltillo, Coahuila

Master of Science (M.S.) Data Science & Optimization Candidate (Expected graduation Jun 2022)

INSTITUTO TECNOLÓGICO DE SALTILLO

*Saltillo, Coahuila
Industrial Engineering
Manufacturing Systems (Jun 2015)*

ADDITIONAL SKILLS

English - Business Level Speaking
90%

Python

R

Data Science

Data Visualization

Docker

AWS

CERTIFICATIONS

AWS Cloud Practitioner

Https://www.youracclaim.com/badges/bfca139f-0fdb-4d68-bca9-e7c988c7d033/public_url

Bennett E. Fahey

781.742.4409 | bennetffahey1@gmail.com | Greater Boston, MA, USA

Education

QUEEN'S UNIVERSITY

Bachelor of Science in Mathematics and Statistics,
Certificate in Data Analytics,

Kingston, Ontario

September 2018 - Present

WESTWOOD HIGH SCHOOL

College Preparatory Curriculum

Westwood, Massachusetts

June 2018

Employment Experience

KINGSTON FRONTENACS HOCKEY CLUB

Data Tracker

Kingston, Ontario

May 2020 – January 2021

- Completed several large projects involving OHL data using python and excel.
- Logged data from multiple Kingston Frontenacs games by reviewing tape.

Q-CLEAN

Co-Founder

Greater Boston, Massachusetts

Summer 2020

- Started barbecue cleaning and propane delivery business with my two brothers in the greater Boston area.
- Cleaned over 60 grills with \$5,000+ revenue in first test month.
- Big picture is to explore franchising opportunities and provide flexible summer jobs to high school and college students.

RODMAN FORD

Lot Manager

Foxboro, Massachusetts

July 2020 - September 2020

- Rodman Ford is a large dealership right across from the New England Patriots stadium in Foxboro.
- I had the opportunity to meet and deliver cars to several Patriot players and family members.
- Learned about the processes of selling and financing vehicles at a dealership.
- Arranged hundreds of trucks and cars across multiple lots at the busy dealership.

THE HOME DEPOT

Order Fulfillment Associate

Norwood, Massachusetts

April 2020 - July 2020

- Prepared delivery, online, and instore pickup orders for customers.

NORTH BEACH BOATING AT HALE RESERVATION

Assistant Boating Director

Westwood, Massachusetts

Summer 2019

- Supervised boating instructors of a summer camp that provided an outdoor educational nature experience.
- Met regularly with site director to solve problems, evaluate staff, review schedules, and plan programs.

Lifeguard, Boating Instructor

Summer, 2016, 2017, 2018

- Responsible for implementing recreation programs and maintaining a safe environment for all participants.

COMELLA'S RESTAURANTS

Take-out Cashier/Waiter

Needham, Westwood, Massachusetts

December 2014 - March 2017

- Hired when I was 14 years old for the opening of a popular Italian restaurant in the suburbs of Massachusetts.

Clubs and Involvement

Queen's Sales Association: Brand Representative for the Queen's Sales Association, answered any questions about the association and learned about the modern world of sales and marketing.

Additional Skills and Certifications

Certifications: Bloomberg Market Concepts, Smart Serve Ontario, Queen's University Data Analytics.

Skills: Python, R, KNIME, Microsoft Excel, Microsoft PowerPoint, Microsoft Word, Team Leadership.

BRIAN ARTHUR

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Profile

- Third year Mathematics & Engineering student with strong interest in software development and data analysis.
- Project management experience and strong communication skills gained through development of custom web application and leading team of four students through machine learning boxing agent project.
- Passionate team player, working on collaborative software projects during summer internship at Bell Canada and extracurricular machine learning project with QMIND.
- Programming skills: Python, Java, C, JavaScript, Linux command line
- Website development skills: HTML, CSS, Django, React, SQL, NodeJS, PHP, Angular

EDUCATION

Bachelor of Applied Science, Mathematics & Engineering, Queen's University, Kingston, ON 2018 – 2022 (Expected)

- Excellence Admissions Scholarship
- Dean's Scholar, 4.1 GPA
- Computing & Communications option
- Courses: Data Structures, Algorithms, Digital Systems

EXPERIENCE

Technical Analyst, Bell Canada IT Digital Customer Experience (DCX), Ottawa, ON 2019 - 2020 (Summer)

- Analyze and plan a strategy for migrating existing release and environment dataset containing over 1000 records.
- Strategized and developed DCX Tracking application, an in-house custom progressive web app using React and NodeJS still being used within the company, to provide enhanced visual statistics for company directors.
- Worked productively with release team to understand business requirements and integrate existing REST APIs with increased data visualization.
- Required to maintain production ready source code repository and onboarding new summer student team members.
- Documented application and strategy to hand off the project to a new team at the end of the summer term.

Quality Assurance (QA) Analyst, ZetaTango Technology Inc, Ottawa, ON 2018 Summer

- Worked to assure the quality of new software deployment through manual tests and writing test scripts.
- Required to independently learn new skills quickly on the job to apply to testing including the platform, REST APIs and Angular JavaScript.
- QA team member for testing quality of new releases. Logged over 100 issues through manual testing to ensure quality of project upon launch.
- Wrote Python scripts using threading and APIs to test loading of the application. Used Angular JavaScript and Protractor to write automated front end testing of a new customer portal.

EXTRACURRICULAR EXPERIENCE

Design Team Lead, Queen's Machine Intelligence and Neuroevolution Design (QMIND)

2020

- Worked efficiently with teammates to develop a Unity machine learning agent boxing simulation project trained using reinforcement learning (RL) algorithms
- Learned challenging algorithms and tackled complex problems while leading team of 4 students, ensuring nobody falls behind and everyone can contribute to the project.

Full-Stack Developer, Buying Buddy

2020

- Fully developed website application for partnering small businesses with local customers.
- Single developer working with another student on business idea. Developed with Python Django backend using REST APIs hosting a React frontend application.
- Deployed application with Heroku and tasked with maintaining integrity and security of the application

Caio C. Coelho

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👤 [caio-coelho](#) 💬 [CaioCamatta](#) 📥 [www.caio.space](#)

EDUCATION

Western University - London, Ontario

09/2018 - 04/2022

Honours Bachelor of Science in Computer Science (HSc), Minor in Software Engineering

- 4.0 GPA | Dean's Honour List 2018-2020.
- In-Course Scholarships Year III for academic achievement.

WORK EXPERIENCE

Software Engineer - VidHug

05/2020 - Present

London, Ontario

- Designed, implemented, and tested new React.js features that have been used by over 100,000 customers.
- Improved the UX by fixing pain points in the user journey and by working alongside customer support to find and fix issues; gradually decreased the rate of support tickets received.
- Wrote and executed QA tests and collaborated with senior developers in code reviews and product planning to ensure important features were prioritized and launched with a very low defect rate.
- Worked on parts of the serverless AWS stack that enabled VidHug's exponential growth in early 2020.
- Analyzed 100,000s data points in Python; presented findings to stakeholders, allowing for better decision-making.

Business Development Intern - Western University

05/2019 - 08/2019

London, Ontario

- Accelerated the growth of 8 different startups at the startup incubator through tasks such as digital marketing, sales/negotiating, website design, and competitive/market research. Tasks were often preceded by a workshop.
- Participated in the development and launch of two new products that are now on the market.
- Redesigned one of the startups' websites, which lowered bounce rate from 75% to 40% and increased conversion.

Web Developer - JCC Construction

04/2018 - 08/2018

Guarapari, Brazil

- Designed and developed the company's [website](#) to boost real estate sales; created a refined, professional UI that promotes the high-end nature of their properties and inspires customers to reach out.
- Upgraded the website to a server-less Flask AWS implementation, which reduced load time by ~40%.
- Managed the website and SEO, ran seasonal online ads, and tracked performance. As a result of continuous improvement, 100% of customers now use the website at some point in the sales pipeline. The company has attributed more than \$500,000 of its revenue to it.

PROJECTS

Project Manager - Western AI Club (Python, Machine Learning, Flask, pandas, NumPy, Keras, KNN)

- Led a team of 4 developers in building a model to classify songs into genres. Deployed model to a [Flask website](#).
- Taught weekly lessons and kept the team motivated. Received two competitive prizes from the club. (2020-2021)

ModuLounge Smart TV (C++, Raspberry Pi, JIRA, GTK, User Stories, Multithreading)

- Developed, in a group of 5, a cross-platform C++ smart TV app that displays various live information. [Git Repo](#).

Alyn - Hackathon Winner (JavaScript, Python, Electron, Google Cloud, Flask REST API)

- In a team of three, created a JavaScript desktop app to track users' posture and help them improve it.
- Resulted in a prize on the 600-person hackathon and support from Western University to develop the product.

SKILLS

- **Programming Languages:** Proficient in Python, Javascript, HTML, CSS. Familiar with C/C++, Java, SQL.
- **Frameworks:** React.js, Flask, React Native, Next.js, Django.
- **Data Science:** Data Visualization, Machine Learning, pandas, NumPy, Keras, scikit-learn.
- **Other:** Git, Unix, REST APIs, software QA, Algorithms, Data Structures, OOP, SEO, JIRA, Figma, AWS (DynamoDB, S3, API Gateway, Cognito), Accounting and Business Analysis.
- **Certifications:** Mobile App Development with React Native (Harvard), UI / UX Design Specialization (CalArts, IP).

CAMERON HOWARD

17cjh4@queensu.ca | 416-949-5366 | <https://ca.linkedin.com/in/cameron-h-37468a12a/>

EDUCATION

Bachelor of Arts, Major Economics, Queen's University, Kingston, ON 2018 – Present

- Awarded a placement on the Dean's List for academic year 2019-2020
- Econometrics, Microeconomics, Macroeconomics, Financial Markets & Risk Management

Ontario Secondary School, Crescent School, Toronto, Ontario 2012 – 2018

- Ontario Academic Scholar, Honour Roll

PROFESSIONAL EXPERIENCE

Research Associate, Hotspex, Virtual 2020

- Analyzed COVID-19 survey responses and derived insights on the changing consumer sentiments.
- Worked on various client projects including data analysis, preparing presentations and insight generation
- Implemented a dashboard software company wide as well as lead software training for new employees
- Strengthened organizational skills while having to meet multiple deadlines simultaneously

Marketing Coordinator – Home Equity Finance, RBC, Toronto 2019

- Organized sponsored events- simultaneously communicated with different stakeholders for the success of the event
- Constructed a dashboard in excel to automatically and clearly report results to an in-market campaign
- Conducted a market analysis on how the top 25 global banks marketed their mortgages and how RBC could adapt some of the techniques

Camp Counsellor, Leaside Baseball Camp, Toronto 2014 - 2018

- Developed basic skills through demonstration, drills and coaching, and teach the rules and etiquette of baseball
- Responsible for groups as large as 15, developed strong leadership and organizational skills
- Improved communication skills while interacted with parents at the beginning and end of day, sharing progress and achievements made their kids

EXTRACURRICULAR EXPERIENCE

QUANT Team Member, Algorithmic Trading Club, Kingston, ON 2020 – Present

- Collaborated on a team of 5 and competed in a club-wide competition for best algorithm
- Researched and generated a trading strategy that we would use in our algorithm
- Wrote the code for our algorithm which consistently beat the market in returns during various backtests

Elite Baseball, Toronto, ON 2014 – Present

- Between 2014-2018 played at the highest level of baseball in Canada for the Toronto Mets Baseball Club with a full year training commitment and extensive travel schedule to compete in the United States between March – August
- U21 Junior Baseball 2019-Present (nominated team captain for the 2020 and 2021 seasons)
- Learned to successfully manage an intense practice, travel and game schedule with work and other commitments throughout my time playing baseball

House Prefect, Crescent School, Toronto, ON 2017 – 2018

- Led/organized house meetings and activities, had two house captains reporting under me
- Responsible for initiating new boys into the house and making them feel welcome
- Responsible for creating new initiatives/events to revitalize people's engagement in the house system

ADDITIONAL INFORMATION

- Basic knowledge of Python as well as the matrix language Ox
- Extensive experience with Microsoft suite, Adobe Premiere Pro, Photoshop, Illustrator
- Developed a program in python that can predict the true price of an option using the Black-Scholes Model

CATHY YAN

Software Developer
&
UX/UI Designer

PERSONAL MISSION

" I am a computer science student keen to become a leader in the aspects of high technology and dedicate myself to provide the best experience and product to whomever interacts with me and my projects. I am eager to work in a shared learning environment and am a supportive team leader. "

PERSONAL INFO

604-356-2386

cathyyan604@gmail.com

EDUCATION

Queen's University
Honours Bachelor of Computing
Major in Computer Science
Kingston, ON
Class of 2022

Coursework:

Data Structures, Discrete Math, System-Level Programming, Computer Architecture, Software Specifications, Logic, Intro to Statistics, Linear Algebra, Software QA, Programming Paradigms, Data Analytics

SKILLS

Languages:

Proficient: Java, Python, C
Familiar: JavaScript, React.js, Bash (Linux), SAS, R, Haskell, Prolog

Design:

Proficient: Adobe Creative Suite, Sketch, Figma
Familiar: InVision

Concepts:

Proficient: OOP, basic programming, complexity, user interface design, user research
Familiar: shell scripting, assembly language, unit testing, prototyping

RELEVANT EXPERIENCE

Toronto Dominion Bank (TD)

Toronto, ON

2020-05 - 2020-09

Risk Analyst Intern

- Conducted several **impact analysis** for various models generated through **SAS** code that led to effective **prediction** for TD small business loans.
- Contributed with other interns to code an efficient program with **SAS** that resulted in an **updated prediction of housing markets affected by COVID19**.
- Participated in the **TD 2020 Summer Showcase** with a group of 5 TD co-op students scattered throughout different departments which helped with learning more about each position and **the importance of their roles inside the business organization**.

Queen's AI Hub (QMIND)

Kingston, ON

2020-04 - Present

QMIND UX Designer

- Strengthened QMIND brand** through designing graphics for social media using Figma
- Collaborated with the marketing team to ensure work reflects QMIND's design development

CUCAI Marketing Manager

2019-04 - 2020-04

- Recognized by managing directors for **top performance and earned promotional advancement** from QMIND coordinator to CUCAI marketing manager within a year.
- Led brand development** that increased the number of applicants, resulting in higher attendance for the Canadian Undergraduate Conference on AI (CUCAI 2020).
- Formalized the UX design of our website** through wireframing on Sketch, impacted a professional reputation for industry members and delegates

Charitable Impact

Vancouver, BC

2019-05 - 2019-09

UX Design Intern

- Examined corporate website heuristic evaluation results to **collaborate with experience team for an effective, user-friendly redesign** which made the goal of charitable giving accessible through a single-account easy
- Restructured the corporate website** through **creating a full-set of wireframes and low-fidelity mockups** in close collaboration with content strategy team, resulting in the launch being pushed forward by a month

PROJECTS

QLINK

UX/UI Designer

- Established a user-friendly UX/UI design** to the mobile app designed to provide accessibility between students and their on-campus lifestyle
- Collaborated closely with two friends to incorporate **complete set of high-fidelity mockups which led to success** as QLINK was the only app on campus with an established design catered towards students and their needs

QHacks 2020: EventBuddy

UX/UI Designer

Won "Best Use of Google Cloud"

- Created a complete set of high-fidelity **mockups in less than 5 hours** for EventBuddy, an app to find a friend for local events, that impacted our app to **stand out against competitors**
- Incorporated branding aspects such as logo, tone/voice, and colours which **achieved a polished app and professional presentation in under 36 hours**

NHL Simulator

Developer

- Implemented a text-based, interactive tool program to simulate an ice hockey season in a specific division of the NHL in Java which resulted in steep improvement in the **knowledge of object-oriented programming**

CATHERINE WU

wucatherine12@gmail.com | 613 915 2844 | www.linkedin.com/in/catherinewu-/ | github.com/catherinewu12/

EDUCATION

- 2018/09** **B. Cmp. (Honours): Major in Computing, Minor in Music**
– *Queen's University – Kingston, ON*
- 2022/05**
 - GPA: 4.25 out of 4.30, Dean's Honour List 2019, Dean's Honour List with Distinction 2020
 - Relevant Coursework: Object-oriented programming, scripted programming, functional programming, data structures, algorithms, operating systems, linear algebra, calculus

WORK EXPERIENCE

- 2020/05** **Research Intern**
– *Laboratory of Percutaneous Surgery – Kingston, ON*
Present
 - Implementing an open-source prostate biopsy simulator for medical training facilities in Senegal, Africa
 - Designing 3D visualization modules and ultrasound simulation in Python through 3D Slicer platform
- 2019/09** **Teaching Assistant**
– *Queen's School of Computing – Kingston, ON*
Present
 - Providing instruction to undergraduate discrete math, logic, and data structures students
 - Assisting in proctoring and assessing course evaluations
- 2019/05** **Product Design Intern**
– *Marion Surgical – Toronto, ON*
- 2019/08**
 - Designed a workflow to create anatomically accurate soft tissue and bone models to be integrated into a VR surgical simulator
 - Successfully tested model validity through usage of the system by experienced urology surgeons

ADDITIONAL EXPERIENCE

- 2019/09** **Sports Analyst**
– *Queen's Sports Analytics Organization – Kingston, ON*
Present
 - Created a model using machine learning techniques to predict MLB rookie career success
 - Working on a project to determine important factors for trade success for the Toronto Blue Jays
 - Developing Python skills in web scraping, data cleaning, and machine learning
- 2019/09** **AI Design Team Member**
– *QMIND AI Hub – Kingston, ON*
- 2020/04**
 - Worked in a team of 5 members to create a predictive model on healthcare data, presented at the 2020 Canadian Undergraduate Conference on AI
 - Developed skills in feature engineering, correlation and regression, and ensemble learning

PROJECTS AND PUBLICATIONS

- Wu, Catherine O. et al. *Development of an open-source biopsy training system in Senegal*. SPIE 11598, Medical Imaging 2021: Image-Guided Procedures, Robotic Interventions, and Modeling, 15 February 2021.
- “*Road to the Show: Identifying factors that lead to success in the MLB*”: Python model which identifies important stats and predicts career success in the MLB.
- Wu, Catherine O. et al. *Workflow for creation and evaluation of virtual nephrolithotomy models*. SPIE 11315, Medical Imaging 2020: Image-Guided Procedures, Robotic Interventions, and Modeling, 16 March 2020.

TECHNICAL SKILLS

Proficient:

- Python
- Java
- C++
- MATLAB

Basic:

- C
- JavaScript

1040 Carmelita Drive
Salinas, CA 93901

CHANHA KIM

(831) 233-1546
chanha.kim@pomona.edu

Education

| Claremont, CA | Pomona College | August 2018 - Present |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------------|
| <ul style="list-style-type: none">Major: Computer Science (in-major GPA: 4.00)Minor: MathematicsCS Courses: Discrete Math, Data Structures, Computer Systems, Natural Language ProcessingMath Courses: Differential Equations, Real Analysis I, Probability, Advanced Linear Algebra | | |
| <hr/> | | |

Experience

| Research Assistant | Pomona HCI Lab | August 2020 - Present |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------------|
| WebGazer: Web-Cam Gaze Detection Research <ul style="list-style-type: none">Utilized Node to create a gaze detection model testing pipeline.Comparing gaze detection models to discover/design optimal gaze detection algorithm.Using WebRTC to incorporate voice chat into EyeWrite (a collaborative writing tool with gaze-sharing).Leveraged knowledge in scientific method, JavaScript, HTML, Git. | | |
| <hr/> | | |

| Volunteer Researcher | FAIM Lab (Pomona College) | June - October 2020 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|---------------------|
| Sprite Detection using YOLO <ul style="list-style-type: none">Trained object detection models (YOLO) that detect sprites (game objects) in video-games.Tuned model parameters and mixed synthetic and real data to increase detection performance.Utilized Python to develop yards, a software package for generating synthetic data (to be open-source).Presented corresponding research paper and demonstrated project at EXAG 2020 (AIIDE Workshop).Leveraged knowledge in deep learning, Python programming, Git, Unix, Keras/Tensorflow. | | |
| <hr/> | | |

| RAISE Fellow | Pomona College | June - September 2020 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------------|
| Low-Cost Brain-Computer Interface & Real-Time Signal Plotting Software <ul style="list-style-type: none">Built an Arduino-based low-cost brain-computer interface to read neural signal data.Utilized Python to process and visualize serial data in real-time.Referenced online projects & resources to learn fundamental concepts in neuroscience and circuits.Leveraging knowledge in neuroscience, circuits, Java/Python. | | |
| <hr/> | | |

| Co-Founder | P-ai | August 2019 - May 2020 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------|
| P-ai (Claremont College's artificial intelligence project incubator) <ul style="list-style-type: none">Utilized Google Drive and Outlook to organize leadership team's communication and workflow.Met with leadership team weekly to facilitate five teams and their projects.Organized demo days to showcase projects with the school community.Leveraged skills in leadership, interpersonal communication, and conflict resolution. | | |
| <hr/> | | |

| Research Assistant | Liu Research Group | January - September 2019 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--------------------------|
| Characterizing the regulatory function of novel riboswitches genetically engineered in <i>E. Coli</i> <ul style="list-style-type: none">Utilized biochemical and molecular cloning techniques to investigate synthetic RNA sequences.Coded R scripts for automating computations and analyzing/visualizing data.Leveraged knowledge in Biology, Chemistry, Statistics, and R. | | |
| <hr/> | | |

Software Skills

(Fluent) Python, Java, Git, Unix (Familiar) HTML/CSS/JS, Tensorflow/Keras/PyTorch, C/C++, MATLAB

Other

GitHub: <https://github.com/chanhakim/> **Coursera Courses:** Machine Learning, Deep Learning Spec.

Charlie Mackie

(647) 981-2581; cmarkie.hba2022@ivey.ca; [LinkedIn](#); Dual Citizen: US & CA

Programming Skills: Experienced in Java, SQL, Python, and Git | Proficient JS, Ruby, C#, and HTML/CSS.

Data Tools: TensorFlow, NumPy, Pandas, Matplotlib, Seaborn, PyTorch, XGBoost, and Sci-Kit Learn.

Interests: Data Science, Machine Learning, Algorithmic Trading, and Tech Consulting.

EDUCATION

Ivey Business School, Western University, London, ON, Canada 2022

Candidate for Bachelor of Arts, Honors Business Administration (HBA)

Western University, London, ON, Canada 2020

Completed two years Bachelor of Engineering Science, Software Engineering

- Western Scholarship of Excellence and Deans Honor List.
- Relevant Courses: Data Structures and Algorithms: 96%, Applied Mathematics: 88%, GPA: 3.80.

WORK EXPERIENCE

Ernst & Young, Toronto, ON, Canada Summer 2020

Data Scientist/Analyst – TenThree Labs

- Ideated and developed a regression based predictive model for valuating commercial real estate with GeoPandas and TensorFlow, deployed on Azure Cloud; independently presented model to 20+ team managers/partners who decided on immediate roll-out and dedicated an Agile sprint to global implementation.
- Designed a GUI in C# to interface with the Atlassian Plugin and customize teams Project Board.
- Developed software for client data transfer process with Excel VBA Macros that consolidated financial statements and exported data based on type of statement.
- Analyzed client data from Finance and Technology companies with tools including SQL, Alteryx, and Power BI.

Accenture, Toronto, ON, Canada Summer 2019

Intern

- Assisted an Agile Team to deliver automated financial statement analysis for clients with computer vision algorithms capable of document intelligence.
- Developed scripts for subsidiary Avanade, assisted data pipeline for several Computer Vision Algorithms.

OTHER ACTIVITIES & INTERESTS

Western AI, VP Education Summer 2020 – Present

- Co-led the Western AI club during a summer projects initiative through Education, Outreach, and Projects; expanded club enrollment to 280+ members from 8 different time zones.
- Taught key Artificial Intelligence concepts including Machine Learning, Reinforcement Learning, and Deep Learning; engaged 16 project teams in creating tangible Artificial Intelligence models.
- Liaison with the Women in Tech Society (WITS); supported pro-bono AI consulting projects for local businesses.

Canadian National Institute for the Blind (CNIB), Sailing Program Director 2014 – Present

- Led the sailing program for athletes with neurological, physical, and cognitive disorders.
- Created a one-week bootcamp for teenage athletes to qualify for racing with sound assisted buoys.

Size.AI – Crowd Size Estimation Algorithm, {click link} Machine Learning Engineer 2019-2020

- Developed a Crowd Size Estimator in PyTorch, deployed with Flask, and hosted on Google Cloud.
- Showcased the algorithm at the Canadian Undergraduate Conference for AI in front of Geoffrey Hinton and various other industry leaders.
- Published a Web application on LinkedIn with over 10,000 impressions.

Ontario Hockey League (OHL), Defenseman 2016-2018

- Drafted by the Sudbury Wolves (OHL) and Muskegon Lumberjacks (USHL)
- OHL cup finalist and Kraft Cup Champion (Toronto Marlboros).

CHRISTIAN COUTTS

Motivated Mechanical Engineer & Self-Starter

@ christian.coutts@rogers.com ⌂ 647-839-7847 ⌂ Toronto, ON
in linkedin.com/in/christiancoutts

EXPERIENCE

Vehicle Dynamics Design

Queen's University Baja SAE

📅 Sep 2018 – Ongoing 🗺 Kingston, ON

- We are a multi-disciplinary engineering team that designs, fabricates and races an off-road vehicle alongside 200 worldwide entries
- Designed first iteration custom brake calipers for 2018/19 season – increased F.O.S. by 0.74 & axial brake torque by 50%, decreased weight by 100 g
- Tackling a redesign project for the 2019/20 season – aiming to accommodate a 4 wheel drive system & increase durability of front suspension

Mechanical Designer

Stantec Consulting Ltd.

📅 May 2019 – Aug 2019 🗺 Toronto, ON

- Provide the evaluation, recommendation, and specification of building systems
- Design efficient and resilient networks in collaboration with the architecture, structural, and electrical teams
- Create thoughtfully engineered systems for the Halton Regional Centre, Anishnawbe Health Toronto, Knotel, and others
- Analyze and audit energy performance for the Atlas Tube Centre

Fix 'N Clean External Relations Coordinator

Engineering Society of Queen's University

📅 May 2018 – Feb 2019 🗺 Kingston, ON

- Coordinated 200 volunteer students to help 50 local Kingston home-owners
- Acquired sponsors to cover over \$500 of event costs
- Publicized event through media interviews & advertising

EXTRACURRICULARS

S.W.A.M.

- Provide barrier-free, one-on-one water safety and swimming instruction to differently abled children

Habitat for Humanity ReStore

- Prepare products for resale, receive donation deliveries, and provide customer service

Orientation Leader

- Led 30 first year students through orientation week while aiding with the coordination and execution of activities

EMPLOYMENT OBJECTIVE

Use my technical background and analytical skills to inform business processes and product development.

MOST PROUD OF

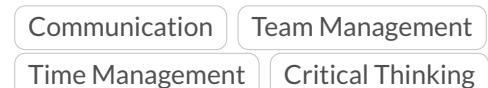
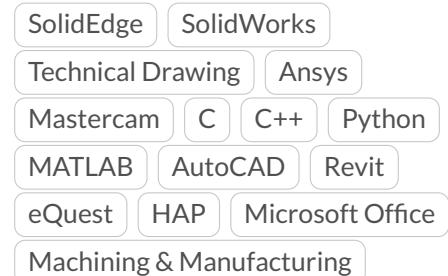
My Balance

I spend my time on both academics & meaningful community- and career-related activities.

Persistence

I strive to for excellence in all I do. Success to me means daily incremental improvement and uplifting others.

SKILLS



EDUCATION

BASc – 3rd Year

Queen's University

📅 Sep 2017 – Jun 2021

OTHER INTERESTS

-  Mechatronics
-  Global Tech Trends
-  Scuba Diving

Danial Khan

T:416-804-3936; E: Danial.khan6312@gmail.com;

L: <https://linkedin.com/in/Danial-K>; G: <https://github.com/DanialKhan6312>

Education

BESc. Mechatronic Systems Engineering, BSc. Computer Science

2018-2023

Western University, London, ON

- Cumulative GPA: 3.7
- Western Scholarship of Excellence

Extra-Curricular Activities

Attitude Control Lead

October 2020 – Present

Western Engineering Satellite Team, London, ON

- Designing the attitude control system of a CubeSat to compete in the Canadian Satellite Design Competition (CSDC)
- Used **MATLAB/Simulink** to simulate CubeSat Dynamics as well as the environmental factors faced by the satellite
- Selected a configuration of actuators to provide 3-axis control and to be integrated with the attitude determination system
- Utilized **SolidWorks** to make a CAD model of the magnetorquers to be built in house using the Western University machine shop while meeting provided system requirements

Project Manager

June 2020 – Present

Western AI, London, ON

- Managed teams of fellow students using **Python** to work on **Machine Learning** projects spanning the course of a semester, creating a total of 3 different projects
- Organized weekly meeting and introduced educational material on ML concepts and tools such as **TensorFlow**, **TensorBoard**, **Keras**, and **Pytorch**
- Developed a Generative Adversarial Network to produce artwork based on pictures of nature, implemented custom training fit so that four networks could be updated at once
- Developed a Convolutional Neural Network (CNN) to identify handwritten digits winning **1st place** at the semester's showcase

Projects

Autonomous Disinfection Robot

January 2021

Ontario Engineering Competition

Placed **1st** in the Western Engineering Completion to Qualify

- Designed mechanical, electrical, and software subsystems for system integration within the robot's structure.
- Utilized an **Arduino** and **C++** to provide autonomous functionality while scanning for thermal imprints on a surface
- Coordinated with teammates to organize logistics such as time, sensor/actuation configuration, and individual contributions

Medical Reminder App

November 2020

Enactus Hacks

Placed **1st** overall project in the hackathon

- Developed an app containing a patient's medical information with the option to provide access to medical professionals
- Utilized **JavaScript** to implement Google Assistant functionality providing a verbal interface with Natural Language Processing

Pneumonia Detection AI

August 2020

Western AI

- Created a Convolutional Neural Network (CNN) to diagnose pneumonia through an image of a chest x-ray
- Utilized Python, TensorFlow, and Keras to create the ML model with a dataset of pneumonia and healthy x-rays
- Deployed the network in the form of a web app with the use of **Google Cloud Platform (GCP)**

Technical Skills

- **Programming Languages:** Python, Java, JavaScript, C, C++
- **Data Tools:** SQL, MATLAB, TensorFlow, TensorBoard, Keras, Pytorch
- **Simulation Tools:** Simulink, SolidWorks (CSWA), Intel Quartus Prime
- **Cloud Services:** Google Cloud Platform (GCP), Amazon Web Services (AWS)

Daniel Stewart

daniel.stewart@queensu.ca | (905) 483-1553 | www.linkedin.com/in/daniel-stewart-

EDUCATION

Queen's University

Bachelor of Applied Science and Engineering

Sept 2018 - May 2022

Kingston, ON

- Major in Mechanical and Materials Engineering with specialization in Biomechanical Engineering
- Queen's University Excellence Scholarship recipient
- Relevant Coursework: Mathematics & Computation I, II, III, Information Structures, Automatic Control

WORK EXPERIENCE

QMIND - Queen's AI Hub

Sept. 2020 - Present

Kingston, ON

Division of AI Research / Design Team Member

- Developed various Deep Learning models using Python including MLP, CNN, and PointNet classifiers, as well as GANs and 3D GANs utilizing PointNet classification
- Conducted extensive literature review on state-of-the-art machine learning models such as PointNet, TreeGCN, and TreeGAN
- Developed and Pitched a research proposal for the Division of AI Research at QMIND
- Managing the cloud computing pipeline for cost effective model training
- Contributing equally to the research project "TreeGCN Variant for Semi-Controlled Human Body Generation"

Welbilt Inc.

May 2019 – Aug. 2019

Engineering Intern

Mississauga, ON

- Collaborated with senior engineers in overseeing the implementation of new projects
- Designed and implemented new storage systems with the goal of improving plant efficiency
- Assisted in the maintenance of various assembly lines to meet requirements set by management

PROJECTS

Generative Adversarial Networks

Sept. 2020 – Dec. 2020

- Individually implemented generative adversarial networks using python keras libraries as a seminal step to the QMIND research project
- Achieved state-of-the-art results for both a 2D generative network on the MNIST dataset and a 3D generative network on the ModelNet10 dataset using the PointNet classification architecture

Haptic Feedback Device for Visually Impaired

Jan. 2018 – Apr. 2018

- Worked alongside three engineering students to design, develop and prototype a functioning haptic feedback device to aid in the free movement of visually impaired individuals for the Queen's Spatially Aware Virtual Interface team
- Lead the construction of the circuit board and the development of the code for implementation in the final prototype

SKILLS & INTERESTS

Technical Skills: Python (Jupyter, Keras, NumPy, Pandas, Matplotlib, SciPy), MATLAB, C, Arduino, Java, Google Cloud Platform, Solid Edge, MS Office, Github

Soft Skills: Russian (intermediate), Innovative and creative mindset, not afraid to ask questions, experienced in technical writing, effective collaborator and independent worker

Interests: Frequent podcast listener, regular fitness training, casual chess player, space exploration, travelling

DANNA LIU

liudanna17@gmail.com

(613) 618 7077

dnaliu.github.io

software

Python, Java, Javascript, HTML/CSS, C, Git, SAS, R, Vim, React.js, Ruby, Rails, Elixir

experience

Software Engineer Intern | PagerDuty

01/2021-Present

- Deploy major features in the incident assignment service allowing for more efficient incident management.

Backend Engineer Intern | VirtualMeet

07/2020 - 11/2020

- Designed and configured **web socket api** to allow for chat room integration into the app
- Developed video and chat features using **React.js** and **OOP** design patterns.

Software Engineer Intern | RISE

07/2020 - 09/2020

- Optimized app's response performance, leading to a faster page load by 17 milliseconds using **React Native**.
- Implemented optimized intuitive navigation of app for increased customer retention.

Teaching Assistant | Carleton University

05/2020 - 08/2020

- Presented **discrete structures** computer science course concepts through engaging lectures.
- Hosted open-ended discussions with students to ensure thorough understanding of course material, maximizing student success.

projects

Electronic Store App | Personal Project

- Developed a sales application to sell items from an electronic store using **Java** and **JavaFX**.
- Implemented backend system using **OOP design** to increase efficiency of application.
- Built database of products to simulate sales purchases for optimal testing of the application.

Spent | SheHacks

- Designed a budgeting app to hold students accountable for their spendings using **Dart** and **Flutter**.
- Implemented horizontally scalable backend infrastructure to collect user data for better budgeting suggestions.

leadership

Computer Science Mentor and Event Coordinator - Technolgap

06/2020 - Present

- Guided mentees to achieve their short term and long term goals (academic or career)
- Organized events to enrich technical and professional knowledge of community members.

Vice-President External and Sponsorship - Carleton AI Society

01/2020 - Present

- Led multiple workshops to teach community members technical skills.
- Coordinated events with guest lecturers and professionals for workshops and talks for career growth of club members.
- Organized the logistics and hosted a podcast for the society members.

education

Bachelors of Computer Science (Honours) | Carleton University

2019 - 2023

- Minor in Statistics and Business - CGPA 11.84/12.0 (A+)

hobbies

Fashion

Drawing

Music

Photography

Swimming

Tennis

Education

McGill University, Montréal, QC

September 2018 - Dec 2022

- Bachelor of Engineering in Computer Engineering – Internship Program
- Hugh M. Brock Scholarship; Rubin Gruber Scholarship (3.98 /4.00 GPA)

Dr. Martin LeBoldus High School, Regina, Sask.

September 2014 - June 2018

- Governor General's Medal
- Salutatorian

Technical Skills and Languages

- Java, Python, C++, SQL, HTML5, CSS, MATLAB, Git, Flask, Bootstrap (35hr Coursera course)
- English, French, Cantonese, Mandarin
- advanced Excel (PivotTable)

Projects

ShareArt: Contributed to an image (artwork) management system using a Vue.js frontend, Spring-Boot backend, Firebase API, and Hibernate ORM. The Heroku-hosted system connects to a PostgreSQL database, which stores links to images uploaded using Firebase API. The project was done using the Agile approach in a team of five in a two-and-a-half month period. For the backend, I contributed significantly to the database, unit tests, and code documentation.

Person-counting system: As part of ECSE 415 (Introduction to Computer vision), we processed a dataset of 2000 mall images using support vector machine in a group of 4 with Numpy and Scikit Learn in Python. I suggested a background filtering method that reduced computation time considerably. A course grade of 99% was achieved.

Poetry Word Suggestion: Worked in a team of 4 to build a text application that scraped the web using BeautifulSoup, extracted 200 poems, performed statistical analysis to find word associations, and used the result to help users write more touching and relevant poems. Implemented and manipulated dictionary structures in Python.

Quoridor: Quoridor is a strategy boardgame, whose aim is to reach the opponent's side first by placing walls and jumping across opponents. With the help of user stories and requirements, we built and tested the game from scratch in a team of six as part of a course, using Java, Umple, JavaFx, JUnit, and the Model-view-controller design pattern. The project attained the highest grade out of ten groups. As a result of the project, I was selected by the professor to be an assistant for the course in the next academic year.

Work Experience

Product Development Intern, Microchip Technology

Jan 2021 – Present

- To revamp an internal Design Automation tool by modifying a Perl and Java codebase in a Linux environment based on user requirements.

System Design & Optimization Intern, McGill University, Electrical & Computer Engineering May – August 2020

- Implemented a custom signal processing system in MATLAB Simulink software, based on a system description of an antibody-detection system
- Selected software parameters to optimize the signal processing system and reduced detection error by 75%
- Documented extensively the system behaviour through data logging, analysis, and modelling with tools such as Mathematica, MATLAB RF Blockset, and Communication Toolbox
- Finished the 4-month project (funded by Natural Sciences and Engineering Research Council of Canada) 1.5 months ahead of schedule, enabling the expansion of the project scope

Extracurricular & Volunteer Experience

McGill Rocket Team, Team Member (Avionics)

September 2018 – Present

- Programmed a \$600 radio and sensor system in collaboration with others in the avionics division
- Created hardware prototypes and telemetry programs using Arduino, Teensy, and various sensors for the Caladan rocket which achieved an apogee of 10km in the Space for America Cup competition.

Volunteer Experience: VP Events of Electrical, Computer, Software Engineering First Year Council (2019-2020) and organized events with 70+ students in total attendance, First-year chemistry course assistant (winter 2020), Model-based Programming course assistant (fall 2020 & winter 2021).

David Gregory Hobson

3036 Quail Run Avenue, Ottawa, ON K1T 3S1

(613) 618 3522

davidhobson@cmail.carleton.ca

Education

Bachelor of Mathematics, Combined Honours in Computer Science & Mathematics 2019 - Present
Concentration in Statistics and Computing, Co-op Option
Carleton University, Ottawa, ON

- Third-year standing, 12/12 (A+)
- Expected Graduation Date: 2023

Bachelor of Science (*Summa Cum Laude*) Graduated 2016
Honours in Physics-Mathematics
University of Ottawa, Ottawa, ON

Relevant Work Experience

Data Scientist July 2020 – August 2020
Treasury Board of Canada Secretariat, Ottawa, ON

- Developed Python programs to text mine web articles of government initiatives to gather data and inform impact assessments of government economic growth programs
- Employed spaCy's NLP library and techniques such as named entity recognition to extract relevant program information, and used Pandas to re-organize the information into structured datasets
- Added a custom pipeline component to spaCy's NLP to identify government departments, provinces/territories, loan types, and government partnerships for tailored processing
- Continuously collaborated with economists and policy makers to update program requirements, and contributed code with the development team via a GitLab repository

Research Assistant May 2016 – August 2016
SUNLAB Research Group, University of Ottawa, Ottawa, ON

- Designed and implemented a Python program leveraging NumPy, SciPy, and Matplotlib to simulate porous material properties for solar cell research
- Provided comprehensive documentation of software functionality and simulation results, contributing to the publication of a research article in the journal *Nanotechnology* (IOP Publishing)

Applied Projects

COVID-19 Forecasting Model November 2020

- Used an LSTM neural network with Python and TensorFlow to forecast the number of cases and deaths of COVID-19 in Ontario for a Kaggle competition with the Carleton University AI Society
- Adapted a TensorFlow framework creating time lag windows for enhanced model fitting and flexibility for projecting time series data
- Split data into training, validation, and test sets to avoid model overfitting, and extended original competition data with hospitalizations and ICU admissions information to aid in model building
- Compared model loss to those of regular neural networks and a baseline model, and experimented with network depth and layer configurations for optimized forecasting accuracy

GitHub Repository

<https://github.com/davidghobson1>

David Huang

Kingston, ON, Canada • (204) 891-8619 • dhuang0621@gmail.com • [LinkedIn](#) • [GitHub](#)

OVERVIEW

Curious, organized and self-motivated junior in Biomedical Computing at Queen's University with a passion for intersection of biomedical research and computer science, specifically interested in predictive modeling using machine learning. Proficient in Python, Java, and R with knowledge of MATLAB, Bash, and SQL. Varsity fencer who enjoys soccer, skiing and playing and discovering new music.

EDUCATION

QUEEN'S UNIVERSITY, Kingston, Ontario

Bachelor of Computing (Hons.) Specialization in Biomedical Computing, September 2018- May 2023

- Cumulative GPA of 4.00, Dean's List Honors Student for past 3 years.
- Queen's University Excellence Scholarship.

RELEVANT EXPERIENCE

QMIND, Kingston, ON

Project Manager, May 2020 – Present

- Partnered with SenSights.AI, a digital health startup, to **develop and integrate machine learning solutions** for Diabetes classification and disease progression.
- **Directed a team of four students** through comprehensive literature review of disease progression models and pre-processing methodology and facilitated the integration of our data pipeline with the SenSights platform.
- Maximized club output serving as an **in-house machine learning consultant**, improving success rate of other design teams' projects by helping them with errors in their respective projects.

QUEEN'S BIOINFORMATICS CLUB, Kingston, ON

Vice President, September 2020 – Present

- **Lead the design and presentation of 4 data science workshops for 50+ students** on topics ranging from intermediate R to machine learning campus-wide virtual workshops.
- **Developed workshop design workflows** to improve team efficiency in workshop preparation for remote workshops, reducing workshop ideation to presentation time by two weeks.

QUEEN'S BIOLOGY DEPARTMENT., Kingston, ON

Undergraduate Research Associate, May 2019 – April 2020

- Quickly responded to the COVID-19 pandemic by **developing a phylogenetic data pipeline** using self-taught phylogenetic techniques and data visualization in order to **determine the origin of the SARS-CoV-2 in Eastern Ontario**.
- **Created custom COVID-19 BLAST+ databases** to increase pipeline throughput using shell scripting.
- Designed a new model for vector born disease research through the development of modular scripts using R that predicts the the origin of DNA samples from tick species.

CANCER CARE, Winnipeg, Manitoba

Summer Intern, June 2016 – August 2018

- Performed detailed lab techniques, including cell culture, gel electrophoresis, and immunofluorescent microscopy to contribute to multiple research projects and one second authorship.
- Prepared DNA samples for sequencing and completed subsequent analysis to determine mutation rate of P53 gene in CLL patient's.

ADDITIONAL SKILLS AND INTERESTS

- **Programming Languages:** Fluent in Python, Java, and R and proficient in Haskell, Prolog, Matlab, andSQL.
- **Conferences:** CUCAI 2020, UofT AI Conference, CUCAI 2021
- **Hackathons:** Camp QMIND Hackathon, Queen's Capture the Flag.
- **Volunteering:** Canadian Blood Services, Siloam Mission, St. Amant, River Park Gardens Senior Home.
- **Additional Experience:** CUCOH Research Chair, QMIND Design team member, Gym Booking application personal project.

DEREK MA

derek.ma@queensu.ca | 416-919-8818 (mobile) | <https://ca.linkedin.com/in/derekyma> | <https://github.com/dma23>

EDUCATION

Bachelor of Computing, Data Analytics, Queen's University, Kingston, ON 2018 – Present

- Data Structures, Linear Data Analysis

Certificate in Business, Smith School of Business, Queen's University, Kingston, ON 2019 – Present

- Financial Accounting, Business Fundamentals

SKILLS

Languages: Python, Java, HTML5/CSS, C

Software: SolidWorks, Photoshop, Premier, Postman, Git, Heroku, MATLAB, LaTeX

EXPERIENCE

Software Developer Intern, Atlas 365 Inc, Mississauga, ON Jun19 – Aug19

- Created POC web designs using Adobe XD and implemented through WordPress/HTML/CSS
- Assisted senior developers with the integration of blockchain technology
- Developed and deployed smart contracts using OpenLaw API

Developer, QUANTT, Queen's University, Kingston, ON Sept19 – Present

Queen's University Algorithmic Networking Trading Team

- Developed and implemented trading algorithms inspired by various popular trading strategies and trends.
- Studied various techniques of feature engineering and the importance of cleaning data.
- Studied the various implementations and uses of machine learning in finance.

Developer, QMIND, Queen's University, Kingston, ON Sept20 – Present

- Developed an automated live article/tweet retriever hosted on the Heroku platform.
- Implemented an LDA model to categorize similar articles and display them to a Flask frontend.
- Stored and accessed data from Heroku Postgres databases

PROJECTS

Arduino Soccer Robot (C/C++, SolidWorks, Arduino)

- Designed and 3D printed custom parts using SolidWorks 3D modelling software
- Developed algorithms for object tracking, surface/boundary detection and movement abilities (shooting, dribbling) through the Arduino IDE (C/C++)
- Implemented and programmed hardware including ultrasonic sensors, servo motors, pixy-cams etc.

Trading Algorithms (Python, Keras, Quantopian, QuantConnect)

- Developed a sentiment analysis and pairs trading algorithm.
- Implemented a reinforcement model to automatically adjust open/closing prices (pairs trading algorithm)
- Generated sentiment scores using Quantopian's built in sentiment scores and StockTwits API.

Tetris.ai (Python, Keras, Pyglet, Git)

- Developed a working version of Tetris in python using Pyglet.
- Implemented a reinforcement learning model to automatically play the game.
- Version controlled using Git/GitHub.

DREW BARDEN

drewbarden19@gmail.com | 613-857-8631 | www.linkedin.com/in/drewbarden

EDUCATION

Bachelor of Commerce, Smith School of Business, Queen's University, Kingston, ON 2018 – Present

- Accepted an entrance scholarship for elevated high school grades.
- Placed on the Dean's list for achieving a high cumulative GPA.
- Aiming to major in finance and complete a Certificate in Social Impact

Ontario Secondary School Diploma, St. Mark High School, Ottawa, ON 2014 – 2018

- Graduated as an Ontario Academic Scholar with a 90%+ cumulative average.
- Earned Honour Roll recognition from grades 7 through 12.

PROFESSIONAL EXPERIENCE

Intern, CompuCom, Ottawa, ON 2020 – Present

- Work alongside Sales and Marketing by providing support and advice on current endeavors.
- Gather competitive data to create reports about vendor relationships and validating customer IT needs.
- Attend and participate in sales strategy meetings and provide assistance with CRM system data upkeep.

Intern, MPN Capital Markets, Ottawa, ON 2020

- Identifying new leads with prospective clients to maintain a high volume of sales activity to achieve sales objectives.
- Developed new business with existing clients and identified areas of improvement to meet business objectives.
- Collaborated with team members to ensure highest level of client satisfaction was being consistently met.

Landscaping/Labourer, SmartRock, Ottawa, ON 2019

- Completed work in the fields of landscaping, fencing, interlock/concrete, inground pools and indoor renovations.
- Often worked long hours in a variety of weather conditions alongside a team of hardworking individuals.
- Was placed with various teams who mentored and taught me the needed skills to complete and array of jobs.

Sales Advisor, Sport Chek, Ottawa, ON 2017 – 2018

- Engaged in face to face conversation with multiple customers in a fast-paced environment
- Made personable connections with each customer to help establish a customer-employee relationship
- Knowledgeable in multiple departments and can collaboratively communicate advice to customers by analyzing their needs

Kitchen Roles, Rideau View Golf & Country Club, Ottawa, ON 2015 – 2019

- Promoted from a dishwasher position, to a salads and appetizers position to line cook
- Excelled in a team-based environment and served many fine dining dinners per night
- Required perfect execution and joint effort to please prestigious members of golf – Top 100 Golf Courses Canada

EXTRACURRICULAR EXPERIENCE

Peer Leadership Mentor, Smith Commerce Society, Queen's University, Kingston, ON 2020 – Present

- Formed meaningful relationships with several mentees to provide support and aid with integrating into university.
- Aid in developing mental health coping strategies and inform students on resources that are available for their use.
- Successfully build mentee confidence, encourage a healthy lifestyle and contribute to a satisfying university experience.

Finance Director, Queen's Health Outreach, Kingston, ON 2018 – 2020

- Initially Intern to the Director of Finance of Queen's Health Outreach (2018), a registered charity affiliated with United Way.
- Perform banking needs, including taxes, budgeting, donation tracking, reimbursements with advanced spreadsheets.
- Excelled alongside 40 other executive members to ensure educators are capable of flawlessly teaching social, physical, mental and sexual health to children in 4 different countries.

ADDITIONAL INFORMATION

SKILLS

- | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none">Graduate Student Volunteer award for continued dedication to community.Fluent in English and conversational in French language, through French Immersion.Repeatedly developed great professional relationships with colleagues. | <ul style="list-style-type: none">Leadership & TeamworkTime ManagementAdaptable & Reliable |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|

Elan Bibas

(416) 930-5921 | embibas@gmail.com | linkedin.com/in/elanbibas

EDUCATION

Queen's University

BASC. Computer Engineering (Innovation Entrepreneurship Stream – ECEi)

Kingston, ON

Sept 2018 – May 2022

- Currently holding a 3.88 Cumulative GPA
- Dean's List (Awarded Every Semester, 2018 – Present)

PROFESSIONAL EXPERIENCE

VisaPlace

Full Stack Developer (Part-time) / Software Development

Toronto, ON

Sept 2020 – Present

- Planning and executing the horizontal development of chatbots to address the various immigration paths.
- Advised development of chatbots resulting in accelerated product timelines and reduced costs.
- Leading a team of student interns and training them in the firm's tools and infrastructure.

Software Engineering Intern / Software Development

May 2020 – Aug 2020

- Delivered key elements of the company's digital transformation agenda, including the design and development of a client facing chatbot driven by NLU & AI technologies.
- Actively contributed with external knowledge and innovative ideas during collaborative sessions.
- Positioned as subject matter expert for open source API technology, such as Gandalf & Botpress.

IBM

Markham, ON

Presales Architect / Technology Solution Architecture

May 2019 – Aug 2019

- Developed a sales tool for internal use, leveraging AI technology in chat bots and search functions.
- Provided technical sales support for IBM Cloud solutions.
- Used data science techniques and Watson Studio's AI to provide the sales organization with customer insights and business intelligence.

EXTRACURRICULAR / LEADERSHIP

QMIND – Queen's AI Hub

Kingston, ON

Director of Partnerships

May 2020 – Present

- Responsible for hiring, training, and managing a team of 6 partnership coordinators.
- Revamped the partnerships arm of QMIND to increase revenue to a forecasted \$150,000.
- Established and drove initiatives resulting in four-times the number of client-facing AI consulting teams.
- Accountable for acquiring and managing corporate and industry relationships to secure sponsorship and funding, and access to compute power, office tours, recruitment, etc.
- Responsible for identifying and engaging speakers, workshop leaders, and sponsors for the Canadian Undergraduate Conference on Artificial Intelligence.

QMIND – Queen's AI Hub

Kingston, ON

Design Team Member / Financial Technologies Team

Sept 2019 – May 2020

- Develop an AI model using Python to predict the future operating expenses, revenue, and stock price of companies utilizing historical stock market data gathered by web scraping techniques and APIs.
- Learned to train various models based on various inputs, fit our models to our data, and determine its accuracy via the model's loss function.

ADDITIONAL INFORMATION

- **Community Outreach:** Salvation Army Community Project & Oasis Animal Habitat Project (Costa Rica Service Trip) and Coordinator for "We Can Save The World Day" (Free the Children).
- **Technical Skills:** Coding (Python, C, C++, Java, JavaScript, PHP, HTML, CSS, Arduino, MATLAB) and Software (Salesforce, Botpress, Gandalf, WordPress).
- **Interests:** Avid reader of technology blogs, regular fitness training, recreational guitar player, enjoy travelling.

EDUCATION

Pomona College

Pomona College

Major: Computer Science

Minor: Linguistics and Art

Claremont, CA

August 2018 – May 2022

WORK EXPERIENCE

Gainful Health Inc. (Personalized protein powder startup)

San Francisco, CA

Customer Care Intern

March 2019 – January 2020

- Responded to roughly 200 customer inquiries a week via phone, email, live chat, and social media
- Coordinated with other interns to make sure all inquiries were addressed in a 14 hours or less
- Posted images and captions daily across social media platforms such as Twitter and Instagram
- Compiled a database of influencer collaboration requests for the marketing team to use when seeking new partners for the brand.

Anthropologie and Co.

Washington, D.C

Customer Associate

June 2018 – August 2019

- Assisted customers with completing quick and efficient sales transactions
- Delivered high level of service and support to each customer
- Organized store departments throughout the day to make sure they were up to standards
- Translated services for our team to serve Spanish and German speaking customer needs
- Connected with customers daily to understand needs, provide assistance and collect feedback for management to optimize operations

Berlin Art Link

Berlin, Germany

Marketing and Social Media Intern

January 2018 — June 2018

- Updated web pages and social media profiles to reflect proactive strategies and engage customers
- Monitored and evaluated web analytics to recommend proactive adjustments to strategies
- Developed unique, interesting and engaging content for a range of social media platforms, including Twitter, Facebook and Instagram
- Wrote and uploaded blog posts and articles detailing events and exhibitions in Berlin

EXTRACURRICULAR & SKILLS

Language: Proficient in Spanish and German, and studied Mandarin Chinese (8 years) and Portuguese (1 year)

Computer: Proficient in R, Python, Java, SQL, C, XPath, Microsoft Office Suite, and Adobe Photoshop / Illustrator

Awards: Parliamentarians Patenschaftsprogramm, a gap- year program with the US State Department and German Bundestag that takes 25 students from across the US to Germany to complete internships, 2017-2018

College: CLSA (Chicanx Latinx Students Association), Tabula Rasa (5C philosophy magazine) media manager and web designer, P-ai Project Member

ELIZABETH SONG

Princeton, NJ 08540

(609) 250-5692 • esong22@cmc.edu • <http://elizabethsong.strikingly.com>

EDUCATION

Claremont McKenna College, Claremont, CA

May 2022

Bachelor of Arts in Computer Science (through Harvey Mudd College) and Economics

- GPA: 3.8/4.0
- Relevant Coursework: Data Structures and Program Development (Fall 2020), Principles of Computer Science, Programming Practicum, Discrete Mathematics, Multivariable Calculus, Statistics, Data Mining

COMPUTER SKILLS

- **Programming Languages:** Python, Java, HTML, CSS, Swift, C++
- **Tools:** Git, Heroku, MySQL/PHPMyAdmin, STATA, Bootstrap, Natural Language Toolkit, Android Studio, Figma

PROFESSIONAL EXPERIENCE

Fidelity Investments – Boston, MA

Jun 2020 – Aug 2020

Diverse Investors Intern

- Created mixed investment portfolio using **Python** to code asset allocation strategy and optimized success by 34%.
- Modeled financial performance and performed technical analysis on equity investment to present to 30 senior leaders.

Twitter – San Francisco, CA

Jun 2020 – Jun 2020

#DevelopHER Conference Attendant

- One of 40 attendees selected out of 1,000+ to attend two-day program on technical and professional development.
- Won first in a coding challenge created by Twitter engineers using **Python3**, including Machine Learning questions.
- Placed first in invite-only hackathon: developed facial-recognition Twitter bot that retweets information on protests.

Claremont McKenna College – Claremont, CA

Sep 2018 – May 2020

Web Intern for Public Affairs

- Maintained official college site with 100,000+ monthly visitors by solving ~100 errors with **HTML, CSS, Drupal**.
- Fixed ADA-compliance errors and site hierarchy with non-accessible links, to increase user accessibility by 10%.

Kode with Klossy – New York, NY

Aug 2018 – Aug 2019

iOS Instructor Assistant and Level III Scholar

- Taught **Swift** and **XCode** to 25 students aged 13-18. Feedback averaged 96% learned a new technical skill.
- Coded Spelling Bees app to teach spelling in an interactive way, by developing gamification features and in-app store.

TECHNICAL PROJECTS

Twitter Sentiment Analysis of WeWork IPO

Aug 2019 – May 2020

Artificial Intelligence Club

- Trained a machine learning model on WeWork tweets to classify user-sentiment about IPO with 70% predictability.
- Cleaned data using **Natural Language Toolkit** and **Python** to remove stop words and lemmatize for 30,000 tweets.

Girl Unity

Aug 2016 – Jan 2019

Girls Who Code

- Established mentorship platform partnered with Ugandan non-profit to teach code to 20 ex-child soldiers and received award from AOL Built by Girls. Designed curriculum in Python and Web Development.
- Coded full-stack web app with messaging and video chat using **PHP, HTML/CSS, and JavaScript** to host 35 users.

AWARDS & LEADERSHIP

- **Awards:** AOL National Built by Girls Top 10 Finalist, Hult Prize International Top 6 Finalist, Bank of America Ignite with Tech Scholar, FIRST Robotics Chairman's Award
- **Leadership:** Rewriting the Code Student Lead, Kode with Klossy iOS Assistant Instructor, Tutor for Introduction to CS, Resident and Media Technology Assistant, Pomona-AI Outreach Director, Microsoft Learn Student Ambassador

Emily Zhao

THIRD YEAR COMPUTING STUDENT

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www.linkedin.com/in/emily-zhaoo
<https://github.com/emilyzhao0>

EDUCATION

Queen's University, Kingston, ON

Bachelor of Computing (Honours)

SEPTEMBER 2018 - PRESENT

Third year student at Queen's University. Completing a Bachelor of Computing (Honours) with a focus in Biomedical Computation. Expected Graduation Date: April 2022, GPA: 3.8/4.3

EXPERIENCE

STEP Intern

Google, LLC - Virtual Internship

MAY 2020 - AUGUST 2020

- Created and designed a portfolio website using provided technical training and starter projects; written in HTML, JavaScript and CSS
- Learned a variety of functionalities such as the integration of API libraries and working with DataStore, Java Servlets, and JSON
- Created design documents and improved technical writing skills
- Worked with two other interns to create Planet; a web app designed to improve a traveller's vacation planning experience
- Integrated Google Maps API and Google Places API
- Users are able to log in, save places returned by search results and build a trip itinerary
- Used Firebase Realtime Database to store data
- Attended multiple intern events/workshops and Google Women Intern Community (gWIC) panels

Software Developer Intern

Synctornic R&D Canada - Kanata, ON

JULY 2019 - AUGUST 2019

Worked with a mentor to create and design a hybrid mobile application using Ionic Framework, based on AngularJS. Gained front-end experience. The app (SynHub) served as an IoT Hub, connected to the building's water, sound and temperature sensors. Live data collected was displayed in the app created using Typescript, HTML, CSS and Chart.JS

RELATED SKILLS

- Python, Java, JavaScript, C++, HTML, CSS, Matlab
- Ionic Framework, AngularJS
- React Native
- Wireframing with Figma
- Fluent in English, French and Mandarin Chinese
- Excellent communication and teamwork skills

EXTRACURRICULARS

Vice Chair of Relations

Queen's Women in Computing (QWIC)

APRIL 2019 - PRESENT

- Leading a team of 5 students to secure sponsors and organizing inspiring events for the Queen's community
- Chair of HackHer (Queen's University's first virtual women's hackathon)

UX/UI Designer

Queen's Technology and Media Association (QTMA)

APRIL 2020 - PRESENT

- Working with a small team of engineers, business analysts and a PM
- Creating and designing a motivation gamification app with **React Native**
- Conducting user research and prototyping with **Figma**

ACHIEVEMENTS

- Queen's University Dean's Honour List (GPA of over 3.50) (2018-present)
- Queen's University Excellence Scholarship (2018)

Emma Paczkowski

emma.paczkowski@queensu.ca | 1 (403) 493 - 3553 | 913 11th Street, Canmore, Alberta, Canada

LinkedIn: www.linkedin.com/in/emma-paczkowski-b290b9177 GitHub: <https://github.com/emmapaczkowski>

EDUCATION

Queen's University

2018 – Present | Kingston, Ontario

- Bachelor of Applied Science in Computer Engineering

PROGRAMMING SKILLS

C/C++ • Java • JavaScript • Python •
HTML/CSS • SQL • MATLAB • Assembly •
VHDL • Bash • Arduino • Git

COURSE WORK

- Data Structures and Algorithms
- Object Oriented Programming
- Computer Architecture
- Mechatronics
- Machine Learning by Stanford

CERTIFICATIONS

- **DELF B1 ("Diplôme d'Etudes en Langue Française") Diploma:**
Internationally recognised exam in the certification of French language competency.
- **Grade 8 Violin Royal Conservatory Exam:**
Certification of musical theory and performance. Currently play at a Grade 10 level.

VOLUNTEER EXPERIENCE

Queen's Sustainability Conference

2019 – 2020 | Kingston, Ontario

- Developed sustainability initiatives to implement in both the University and extended community.
- Collaborated with the Engineering Faculty to develop a sustainability project suitable for the first-year curriculum.

EXPERIENCE

Google Inc. – STEP Intern

May 2020 – August 2020 | Cambridge, Massachusetts (Remote)

- Independently developed a full stack, personal profile, web application using JavaScript HTML/CSS, Java servlets and Google App Engine, with no prior web development experience.
- Collaborated, with two pod interns, to complete an entire design process of a web app, from idea generation, to writing a design doc to implementation.
- Implemented Firebase authentication and the Realtime database to allow the web app to be customizable to improve user experience.

Queen's Satellite Engineering Team

2018 - Present | Queen's University, Kingston, Ontario

- On Board Computer Manager of an undergraduate and graduate team tasked with designing a 3U cube satellite to be launched into space.
- Designing the On Board Computer embedded system with the use of STM micro controllers, kiCAD and FreeRTOS.
- Implemented the data link layer protocol for the radio, working with the constraints of the available hardware and the requirements to transmit orbital imagery to any amateur radio operator.
- Addressed diminishing retention rates by spearheading an onboarding program to integrate new members, increasing retention rates by 275% in 2019-2020. I am continuing to facilitate the program in 2020/2021.

Software Development Course

September 2020 – December 2020 | Queen's University Kingston, Ontario

- Team lead for the design and construction of a large-scale console and GUI software project in C++ and Qt in an agile environment.
- Experience using Jira, Confluence and Bitbucket.

Canadian Space Agency – Lunar Anchor

2018 – 2019 | Queen's University, Kingston, Ontario

- Prototyped and tested an anchoring system and deployment mechanism to stabilize a rover on lunar craters.
- Collaborated professionally with the Canadian Space Agency through weekly meetings to deliver a prototype which met all engineering design requirements and deadlines.

Personal Lamp Project

2019 – 2020

- Designed Wi-Fi-enabled and networked touch-sensitive lights.
- Final product enabled a two-way lamp connection. Each lamp was illuminated by touching the other, regardless of distance.

Eric Yuyitung

eric.yuyitung@queensu.ca | github.com/eyuyitung

Languages Python, Java, C, SQL, PHP

Technologies AWS, IBM Cloud, GCP, Git, OpenCV, Tensorflow

Experience

Densify – Technical Analyst Intern May – Aug 2019

- Designed and evaluated multiple algorithms to exchange AWS EC2 convertible reserved instances (RI) to optimize resource allocation and maximize cost savings.
- Rapid-prototyped in Excel to analyze and compare RI exchange strategies.
- Evaluated on multinational software corporations saving over \$150k in monthly AWS costs.
- Worked with a developer to productize and validate RI exchange functionality.

Densify – Software Development Intern Jul – Aug 2018

- Analyzed AWS billing data to find the cause of a \$10k cost discrepancy and reported findings.
- Designed and prototyped a tool in Python for retrieving configuration and performance data from VMs on IBM Cloud, broadening Densify software support of available cloud services.

Densify – Software Development Intern Jul – Aug 2017

- Created an automated tool in Python to retrieve and visualize Google Cloud VM utilization metrics, facilitating usage of Densify software on GCP, leading to over \$1 million in new business.

Projects

Happy-Recommender – Project Manager June 2020 – Present

- Leading a team to develop a Python library which will simplify implementation of ML-based recommendation systems for general datasets.

F1 Analytics Sept 2019 – Apr 2020

- Developed a computer vision model using OpenCV, YOLOv3, and Python which tagged Formula One broadcasts with “teams on-screen”, “camera angle”, etc. for the Deloitte Applied Innovations Team.
- Used generated tags to correlate on-screen activity versus engagement and emotional response of viewers.

Extra-Curricular

Queen's University – Varsity Cycling Oct 2018 – Present

- Nominated for Alfie Pierce Male Rookie of the Year for contributions and commitment to athletics at Queen's University and awarded overall champion in Ontario collegiate mountain bike race series.

Education

Queens University – Mathematics and Engineering Sep 2018 – Apr 2022

Dean's Scholar Kingston, Canada

Ethan Bonnardeaux

ethanbonnardeaux@gmail.com | 647 389 6691 | Toronto, ON

EXPERIENCE

TWO RINGS MEDIA | DATA SCIENCE INTERN

Sept 2020 – Present | Toronto, ON

- Created solution to forecast depreciated construction equipment value **reducing industry standard prediction error (RMSE) by 15 %** using constrained exponential regression
- Implemented regression features and **Plotly** visualizations into Fortune 100 client application
- Processed, cleaned and deployed raw datasets to SQL Database

TWO RINGS MEDIA | SOFTWARE ENGINEERING INTERN

May 2020 – Aug 2020 | Toronto, ON

- Developed back-end for data-agnostic dashboard using Django, beating all speed and memory constraints
- Introduced data classification structure **improving efficiency of existing solution by 66%**
- Deployed application and SQL database to Azure and built CI/CD pipeline using GitHub actions
- Built secure dynamic querying architecture

QMIND AI | PROJECT MANAGER

Sept 2019 – Present | Kingston, ON

- Managed two consecutive software development teams on client facing and research projects
- Pitched and published project's findings at the Canadian Undergraduate Conference on Artificial Intelligence
- Lead internal workshops and hackathon team as part of Qmind's Educate program
- Contributed to organizational summer strategy plan and hiring panel

PROJECTS

3D BODY GENERATION

- Leading a research team of 3 engineering students in the development of a TreeGAN model to generate 3D point cloud representations of human bodies from Caesar dataset
- Implemented custom pointnet classifier on the ModelNet10 dataset

FACE MASK DETECTION

- Scrapped and labelled over 2000 Instagram images to create custom dataset
- Trained classification model on **Google Cloud Platform** achieving 95.5% validation accuracy

JUMPY

- Co-developed Android application to analyze and grade fitness exercises using TensorFlow's Posenet at Hack the North 2019

LINKS

Github:// [eth212](#)

LinkedIn:// [in/ethan-bonnardeaux](#)

SKILLS

LANGUAGES

Python • C • SQL • Javascript

TECHNOLOGIES

Azure • Git • Google Colab • Jupyter • Pandas • TensorFlow Scikit • NumPy • Matplotlib • Keras • Seaborn • Trimesh • Django • Bash • Excel • Linux

EDUCATION

QUEEN'S UNIVERSITY

BASc APPLIED MATHEMATICS

ENGINEERING

- Queen's University Excellence Scholarship
- Expected April 2022

Relevant Courses

- Probability
- Linear Algebra
- Algorithms
- Data Structures
- Real Analysis
- Calculus III
- Differential Equations

CONFERENCES

Canadian Undergrad Conference on Artificial Intelligence

NeuGen Neurology Conference

Queen's Consulting Competition

Hack The North 2019

QHacks 2019

Evan Von Oehsen

Parkland, FL – (954) 614-1924 – evanvono@gmail.com – evanvono.urspace.io – github.com/evanvono

Education

Pomona College Claremont, CA — Bachelor of Arts, Computer Science

May 2022

Relevant Courses: Artificial Intelligence (IP), Computer Systems (IP), Digital Design & Computer Architecture (IP), Building an IoT. Data Structures and Advanced Programming, Discrete Mathematics and Functional Programming, Linear Algebra, Introduction to Cognitive Science

Extracurriculars and Clubs: Innovative Technology Empowerment and Mentorship Club (mentor), *The Golden Antlers* (writer), Pomona-Pitzer varsity soccer

North Broward Preparatory School Coconut Creek, FL — IB Scholar

May 2018

Honors and Awards: IB Diploma Recipient, AP Scholar with Distinction, Highest Academic Honors, STEAM Student Class of '18, Full Academic Scholarship all four years of high school

Extracurriculars and Clubs: Coding Club (founder and president), National Honors Society, Brainwash (Head Technology Editor), Varsity Soccer starter (three years), Advanced and Chamber orchestras (first-chair violist), Pre-Calculus and SAT Math tutor

Relevant Experience

Sidebench, Los Angeles / Remote — Junior Engineer

January 2020 - August 2020

- Designed and implemented a comprehensive suite of gray-box and white-box unit tests with **Jest**
- Built out functional API test suite in **Postman**, which was then automated with CircleCI
- Administered three parallel **Sharepoint** tenants. Validated and migrated large Excel sheet tables to Sharepoint lists using **VBA** and **Powershell**. Designed realistic dummy data for dev/test tenants
- Served as a dev liaison for PMs by assisting with technical tasks, demos, and documentation

Pomona ITS, Claremont — High-Performance Computing Division

February 2019 - present

- Leading **HPCPondr iOS** dev team, delivering **Swift** code demos, managing Github version control
- Discussing research projects and exploring new and exciting technology during weekly meetings

Sidebench, Los Angeles — Product Management/Development Intern

May 2019 - July 2019

- Developed and tested prototype **Odoo** ERP system to handle client management, scheduling, billing
- Formulated clear and concise **documentation, workflow diagrams, database schemas** and associated **training materials** for ongoing projects

iOS Development — Self-taught, native iOS developer

2015 - present

- Experience with Cocoapods, Firebase API, and popular UI-oriented libraries such as Facebook Pop, SWRevealController, MBProgressHUD, and SwiftSpinner
- Projects include **HPCPondr** (App Store [tinyurl.com/hpcpondr]), HPC, **NBPSports** (App Store, 1yr, solo)

Skills / Interests

Programming Languages

- Swift
- Java
- Javascript
- HTML+CSS
- Python
- C

Platforms

- Native iOS
- Native Android
- Web/Node.js

Interests

- Mobile/Web Development
- Full-Stack Development
- Software Testing
- CS Education

Some Experience with

- React Native + NodeJS
- AWS (Step Functions + Lambda + DynamoDB)
- Postman + CircleCI automated API testing
- RESTful protocols

Griffin Clark

Kingston, ON, Canada • (506) 476-2939 • griffinclark10@gmail.com • [LinkedIn](#) • [GitHub](#)

OVERVIEW

Dedicated, organized and collaborative sophomore in Engineering Physics at Queen's University with a passion for technology, specifically interested in quantum computing and artificial intelligence. Proficient in python, Java, C/C++, and SolidWorks with knowledge of MATLAB and Linux. Former national gymnast who enjoys running, skiing and watching films with friends.

EDUCATION

QUEEN'S UNIVERSITY, Kingston, Ontario

Bachelor of Engineering Physics & Computing, September 2018- May 2023

- Cumulative GPA of 3.78/4.3, Dean's List Honors Student for past 2 years.
- Achieved A+ grades on final research projects on topics including quantum computing and quantum tunneling.

RELEVANT EXPERIENCE

QUEEN'S UNIVERSITY, Kingston, ON

PHYS 104/106 Teaching Assistant, September 2020 – Present

- Improved assignment grades of **30+ students** a week through a weekly three-hour virtual help session held for students.
- Facilitated the marking of **150+ weekly assignments**, relaying marks to students within 2 days of submission.
- Resolved assignment and course material questions through one-on-one Zoom meetings with students by request.
- Solidified clear and **concise communication skills** through explanations of complex physics topics and ideas.

QMIND, Kingston, ON

Director of Professional Development, May 2020 – Present

- Expanded the professional development knowledge and resources of **200+ members** of Canada's largest artificial intelligence club through the creation of club and school wide **events, initiatives and articles**.
- Oversaw the planning and implementation of multiple school-wide virtual panels with **100+ attendees** through collaboration with other QMIND streams such as Partnerships, Marketing and Events teams which helped develop my project management skills.
- Received **unanimous positive feedback** from events and initiatives with 100% of exit surveys stating improvement of professional knowledge.

QUEEN'S HYPERLOOP DESIGN TEAM, Kingston, ON

Braking Team Member, September 2020 – Present

- Created and tested a hyperloop pod braking system with 10+ individual parts using **CAD and SolidWorks**.
- Contributed to a **150+ page outline** of the hyperloop model intended to serve as an application for the 2021 SpaceX Hyperloop Design Challenge.

QMIND, Kingston, ON

Design Team Member, September 2019 – Present

- Scrapped, cleaned and implemented **Python** code in order to train and test models to **detect and translate ASL** from a live feed, and **predict the stock direction** of a company based on the sentiment analysis of tweets using their hashtag.
- Expanded knowledge on **CNNs, SVMs and decision trees** in the process of creating a machine learning model, through the use of Python libraries such as **TensorFlow Keras, SciKit-Learn, PyTorch**, etc.
- Awarded **Best Paper Award** at the 2020 Canadian Undergraduate Conference on Artificial Intelligence

ADDITIONAL SKILLS AND INTERESTS

- **Programming Languages:** Fluent in Python through class & club experience, proficient in Java & C/C++ from coursework.
- **Conferences:** CUCAI 2020, UofT AI Conference, CUCAI 2021
- **Hackathons:** QHacks 2019, Camp QMIND Hackathon
- Bilingual, fluent in both English & French
- Loves staying active as a member of Queen's Running Club and Queen's Ski & Snowboard Club
- Part time worker since 14 years old with experience at McDonald's, in the restaurant industry and spending a summer making chocolate from scratch at a local chocolate shop.

HANNA DODD

516 Genista Drive, Burlington, ON L7T 4L6 | C: 905 520 7099 | hrdodd@gmail.com

[LinkedIn](#) | [GitHub](#)

SKILLS SUMMARY

- Most experience with Java, and Python
- Some experience with C, Swift, and R/RStudio
- Explored HTML, CSS, ARM Assembly

EDUCATION

University of Western Ontario

September 2018 - Present

Honours Computer Science (BSc)

- Honours Specialization in Computer Science, Minor in Applied Mathematics
- GPA: 3.0 (75.875%)

EXTRACURRICULARS

Western University Technology Review

September 2019 - Present

Sustainability Researcher/Writer

- Researches and writes articles focused on current technological issues
- Plans drafts to be published on the WUTR website
- Provides feedback on other articles being written by the team

DeltaHacks Hackathon

January 2019

- Worked in a team of three to complete a final project within the time constraint
- Created an iOS application to calculate the user's daily carbon footprint

AWARDS AND QUALIFICATIONS

- Achieved a Level 4 on the AP Computer Science Exam (May 2018)
- Achieved a Level 3 on the AP English Literature and Composition Exam (May 2017)

VOLUNTEER EXPERIENCE

Volunteer Note Taker

January 2020 - Present

- Takes neat and well-organized lecture notes
- Uploads notes after every lecture for students in need

WORK EXPERIENCE

Emma's Back Porch

May 2016 – August 2019

Hostess/Server

- Worked in a fast pace environment, while still providing quality service
- Communicated with other staff to keep the restaurant running smoothly



HENRY DOWD

ABOUT

A motivated electrical engineer striving to make an impact on the world. Learning technical skills through my BASc and entrepreneurial and business skills from the innovation stream.

PROFESSIONAL SKILLS

Microsoft Office Suite (Word, Excel, Power Point, Teams, Projects)
AutoCAD (Solid Edge)
MATLAB
C
C++
Android Studio
Python
Visual Basic
Computer Components
Arduino
Report Writing

PERSONAL SKILLS

Leadership
Entrepreneurial
Dedicated
Team Player
Athletic

CLUBS AND TEAMS

Queen's Varsity Cycling Team
Mentor College Alpine Ski Team
Mentor College Swim Team
Mentor College Orchestra

CONTACT

P: 647-700-0304
E: henry.dowd@queensu.ca
L: linkedin.com/in/henry-dowd

PROFESSIONAL EXPERIENCE

CO-FOUNDER/CEO

uFit Technology | Oct 2019 - present

- Leading a team to build a versatile, professional, high-quality fitness device and successful business through the QYourVenture accelerator program.

TEAM DEVELOPMENT COORDINATOR

inQUBate | May 2020 - present

- Acted as an advising project manager for 3 separate entrepreneurial ventures through Canada's first ever student run AI incubator.
- Oversee educating, hiring and board liaison for ventures.

JOURNALIST

Pedal Magazine | May 2019 - Aug 2019

- Researched and wrote about racing news articles.
- Responsible for releasing news on e-bikes.

SALES/MECHANIC

Via Ciclante | Apr 2019 - Aug 2019

- Facilitated high value bicycle sales and focused on enhancing the customer experience and managed entire store inventory.
- Solved complex mechanical issues.

EDUCATION

BACHELOR OF APPLIED SCIENCE CANDIDATE

MAJOR: ELECTRICAL ENGINEERING INNOVATION STREAM

Queen's University | 2018 - present

- Enrolled in an exclusive 60-student program specializing in developing business skills alongside technical engineering skills.
- Relevant Courses: Engineering Practice and Design, Programming, Graphics, Intro to Business for Entrepreneurs.

VOLUNTEER EXPERIENCE

CLOTHING REPRESENTATIVE

Queen's Varsity Cycling | Aug 2019 - present

- Worked with a partner to design and supply uniforms for the Queen's Mountain Biking, Road Biking and Triathlon teams.
- Liaised with Nike and Louis Garneau Sales Reps. Gained professional team sponsorships.

CRISIS VOLUNTEER

Queen's Peer Support Centre | Aug 20209 - present

- Act as a mental health volunteer in a student run crisis center.
- Trained in LivingWorks Suicide Prevention and other internal Queen's specific mental health trainings.

Henry Tsui

COMPUTER SCIENCE · SOFTWARE ENGINEERING

□ (+1) 236-862-0623 | □ henry.tsui@queensu.ca | □ HenryTsui1 | □ thehenrytsui

Education

Queen's University

BACHELOR OF COMPUTING (HONOURS) - SPECIALIZATION IN COMPUTER SCIENCE

Kingston, Ontario

Class of 2022

Relevant Coursework

INTRO TO COMPUTING I & II, DATA STRUCTURES, SYSTEM-LEVEL PROGRAMMING, SOFTWARE SPECIFICATIONS, DISCRETE MATH I & II, LOGIC, INTRO TO STATISTICS, DIFFERENTIAL & INTEGRAL CALCULUS, LINEAR ALGEBRA

Skills

Programming Python, Java, C, Bash (Linux), Haskell, LaTeX, SQL

Languages English (Native), Cantonese (Native), Mandarin (Familiar)

Projects

Forest Ecosystem Analysis

- Identify and classify human/natural disturbances using aerial images with computer vision
- Build models to assist timber-supply prediction, landscape-unit planning and harvest scheduling
- Hold regular team meetings with our client, Forest Ecosystem Solutions, to discuss about our progress and design decisions

Fastener Ordering System

- Created a fastener ordering system with a simple UI
- Established several class hierarchies to hold unique characteristics of fastener objects
- Implemented a base hierarchy structure for objects to be created efficiently through easy addition of attributes
- Developed an understanding in the knowledge of object-oriented programming
- Developed an understanding of inheritance and the use of polymorphism to allow multiple implementations of a fastener object

Bike Share

- Created a bike sharing program that allows the user to rent or return bikes
- Prompts user to look up information, like finding a direction (longitude and latitude) or seeing if there are bikes available at a given station
- Developed an understanding on how to use efficient algorithms in programming and write clean code in Python

Extracurricular Activity

cuHacking 2020

Ottawa, Ontario

HACKATHON MEMBER

Jan 2020

- Worked in a team to develop a mobile application in Java to match user's in close proximity who are interested in similar events (concerts etc.)
- Designed and implemented the UI with Android Studio
- Tested multiple workflows to ensure basic functionality is as expected

Experiences

Queen's AI Hub (QMIND)

Kingston, Ontario

DESIGN TEAM MEMBER

Sept 2020 - Present

- Building tools for Forest Ecosystem Solutions, an external client, to assist their analysis of forest ecosystems
- Attending weekly meetings with design team to discuss project and making plans with client
- Attended a weekly training course which taught introductory Machine Learning concepts

Queen's AI Hub (QMIND)

Kingston, Ontario

EDUCATION CONTENT CREATOR

Sept 2019 - May 2020

- Worked as a teaching assistant for students registered in the QMIND Educate AI course
- Designed an introductory machine learning curriculum for Queen's University to be recognised as a credit worthy course
- Collaborated with the Educate team to develop Machine Learning educational content for students
- Created content for general design members as reference for their ML projects to be shown at CUCAI 2020 for active industry members

Queen's Knights RoboMaster

Kingston, Ontario

ROBOTICS TECHNICIAN - DESIGN TEAM

Sept 2018 - May 2019

- Assisted in designing the shooting mechanism of the robot for the RoboMaster competition
- Presented a better solution for the drone's chassis with the use of Fiberglass material over Carbon Fiber to save 20% of the club's budget

JACK PERRY

17jfp2@queensu.ca | Cell: 416-805-9224 | <https://www.linkedin.com/in/jack-p-b40941129/>

I am a 21-year-old Canadian studying at Smith School of Business at Queen's University in Kingston, Ontario. As a commerce student holding a passion for real estate and finance, I wish to leverage early industry exposure, involvement in integral executives, and past employment experience to institute positive change and make a difference while promoting open-mindedness and self-growth. My proficiency in these domains, aptitude to adapt, and thrive in demanding environments will facilitate one's ability to utilize an organization's resources, advancing and empowering development, expertise, and impact.

EDUCATION

Bachelor of Commerce, Smith School of Business, Queen's University, Kingston, ON 2018 – Present

- Queen's Chancellor's Entrance Scholarship Nominee, UoT Scholarship Program, Queen's Entrance Scholarship, 3.68 GPA
- Certificate in Business (Candidate), Certificate In Social Impact (Candidate) Projected graduation date: Spring 2022

Exchange Program, Grenoble École de Management, Grenoble, France Expected Fall 2021

- Smith School of Business Exchange Program, Queen's University

PROFESSIONAL EXPERIENCE

Client Relations, Bosley Real Estate Ltd., Brokerage, Toronto, ON July 2020 – Present

- Advised for booking appointments, property selection, and scheduling; producing high impact and text graphics for marketing materials for selling homes and condos
- Reviewed rental applications and supporting documents on behalf of landlord for leased properties, further familiarizing and providing exposure to existing real estate locations enhancing passions for tangible aspects of real estate

Tree Planter, Heritage Reforestation, Timmins, ON May 2020 – July 2020

- Planted +80,000 trees to contribute to sustainable supply chains in need of natural resources
- Led in tremendously challenging conditions and fashioned a rigorous work ethic to increase productivity and performance

Marketing & Sales Intern, Donorworx Inc., Toronto, ON 2019

- Promoted and endorsed NFP's/fundraising campaigns (World Vision, WWF, Sick Kids, Habitat for Humanity, etc.)
- Demonstrated and honed marketing, sales, and interpersonal skills during face-to-face interactions

EXTRACURRICULAR EXPERIENCE

Finance Director, Queen's Real Estate Investment Association, Kingston, ON 2020 – Present

- Managed executives' entire financial budget and allocation
- Planned hand-in-hand with logistic and event coordinators to institute conferences and panels

Delegates Coordinator, QMIND – Queen's AI Hub, Kingston, ON 2020 – Present

- Coordinated an AI consulting group with yearly revenues over \$50,000 annually
- Networked partnerships with other Canadian Universities and external industry conference sponsors
- Led +500 delegates involved in the Canadian Undergraduate Conference on AI (CUCAI)

Events Coordinator, Queen's Real Estate Association, Kingston, ON 2019 – 2020

- Collaborated with colleagues and developed skills in marketing, sales and sponsorships
- Orchestrated excursions to Oxford Properties and founded a panel with executives from Colliers, Graywood, and Dream

Orientation Leader, Smith School of Business Orientation Week, Kingston, ON 2018

- Represented Queen's to orient, lead, and mentor incoming commerce class to Smith and Queen's Universities environment
- Analyzed and implemented several leadership modules facilitated by ORT (Orientation Roundtable)

ADDITIONAL INFORMATION

Athletic/Conference Accomplishments:

- Athlete - International Ski Competition 15th Goldwin NASTARRACE Japan Cup, Naeba, Team Canada (11th) – 2015
- Delegate – QS2i (Queen's Social Investment Initiative) – 2019
- Delegate – QRIC (Queen's Real-Estate Investment Conference) – 2020
- Delegate – Ryerson University, Expand Your Empire (EYE) 7th Annual Case Competition – 2021

Additional Skills and Interests:

- Adobe Photoshop, Excel, Microsoft Word, Final Cut Pro, Integer/Liner/Simulation Programming, Premier Pro
- Hiking, camping, photography, and film-making

JACOB LAFRAMBOISE

PERSONAL MISSION

I am a computing student focused on developing solutions to high-value problems through experience in software development and data science.

EDUCATION

BACHELOR OF COMPUTING

Queen's University | Class of 2022

Focus in Artificial Intelligence, Minor in Mathematics

GPA: 4.3 / 4.3

CONTACT INFORMATION

T: 613-305-3266

E: j.laframboise@queensu.ca

L: www.linkedin.com/in/jacob-laframboise

G: <https://github.com/jlaframboise>

WORK EXPERIENCE

DATA SCIENTIST

Validere | May 2020 - August 2020

- Developed a Python based automated client **data ingress pipeline**, improving consultant time efficiency by **1.5 full time employee equivalents**, facilitating a **strategic account scaling** by **3x in value**.
- Visualized and prototyped a **volume alerting toolkit** with Pandas that was deployed on 5 gas plants for consultants to rapidly identify irregular flows.
- Developed a **scalable** and **model-agnostic** object-oriented toolkit to forecast the quality of oil and gas, improving mid-month gas plant balance accuracy.

UNDERGRADUATE RESEARCHER AND OUTREACH MANAGER

The Perk Lab, Queen's Computing | May 2018 - April 2020

- Automatically annotated surgical video with **98% accuracy** using convolutional neural networks in Keras at 30fps, on the open source 3D Slicer platform. **Published in SPIE Medical Imaging 2020**.
- Mentored a high school intern to implement a 3D U-Net for semantic segmentation of CT scans with **98.8%** dice accuracy using Keras. **Published in SPIE Medical Imaging 2020**.
- Extended 3D Slicer platform to analyze the curves of patients' colons in CT scans for a local physician, resulting in **publications to SPIE 2019** and **CARS 2019**. The physician is using this work in clinical study.

PROJECT EXPERIENCE

Robotic Traversal (Team Lead - Queen's AI Hub):

- We developed a module on the Robot Operating System to detect presence of a pothole in frame with a CNN, and to localize the pothole in frame with a second CNN for regression. Our classification network performed at **97.9% accuracy**, and our localizer at a RMSE of 0.41 pixels. Presented at the **Canadian Undergraduate Conf. on AI 2020**.
- I led my team of five through robotic sensor **data visualization** with PCA, followed by modelling and clustering of sensor data from different driving surfaces. With extensive cleaning and **feature engineering**, we found clusters to be separable by experiment number, rather than by surface.

Google Street View Appraiser (Queen's AI Hub):

- Predicted house valuations within 20%** using a CNN on Google Street View and satellite images, and a multi-layer perceptron on point of interest data. Utilized APIs on the Google Cloud for address lookup and image retrieval.
- My team of four partnered with Co-Operators and presented at the **Canadian Undergraduate Conference on AI 2019**.

Spoiler Blocking Google Chrome Extension (QHACKS Hackathon)

- We developed a Chrome web extension in JavaScript to blur spoilers on web pages, using keywords I **webscraped** from movie databases with custom Standard Library APIs I developed in Python.

Recent Published Research Paper / Oral Presentation SPIE 2020

JACOB LAFRAMBOISE, TAMAS UNGI, ET AL. "OPEN SOURCE PLATFORM FOR AUTOMATED COLLECTION OF TRAINING DATA TO SUPPORT VIDEO-BASED FEEDBACK IN SURGICAL SIMULATORS". PRESENTED IN HOUSTON, TEXAS FEB. 2020.

SKILLS - IN DEPTH

Python, Java, machine learning, Git, algorithms, Pandas, NumPy, Keras, HTML, Beautiful Soup, Matplotlib, Jupyter, Scikit-Learn, Raspberry Pi, Linux.

SKILLS - FAMILIAR

JavaScript, Node.js, C++, CSS, React, Google Cloud, Azure.

HONOURS & AWARDS

DEAN'S HONOUR LIST WITH DISTINCTION

- Awarded to the **top 3%** of students in Queen's Science or Computing by cumulative GPA.

Queen's University | Oct 2019 & Oct 2020

GEORGE THOMAS WARREN SCHOLARSHIP IN COMPUTING SCIENCE

- Awarded to second year student(s) with the **top GPA** in the Queen's School of Computing.

Queen's Computing | Aug 2019

GOVERNOR GENERAL'S ACADEMIC MEDAL

- Highest four year average at a Canadian high school (99%).

Holy Cross CSS | June 2018

Jacob Seiler

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620 St. Germain Ave, Toronto ON, M5M 1X5

-  jacobseiler.com
 github.com/jacob-seiler
 linkedin.com/in/jacobseiler

EDUCATION

Queen's University, Bachelor of Computing (Honours)

SEPTEMBER 2018 - APRIL 2022

- **Cumulative GPA:** 3.60.
- **Notable classes:** Data Structures, Algorithms, Formal Methods, Software Quality Assurance.
- **Awards:** Dean's Honour List, Queen's University Excellence Scholarship.

WORK EXPERIENCE

Teaching Assistant, Queen's University

JANUARY 2021 - PRESENT

- Teaching assistant for **Data Structures** CISC 235, class of **95 students**.
- Assist in **developing assignments** to challenge students' understanding of fundamentals.
- Grade materials and hold office hours to facilitate further **learning** and **engagement**.

Frontend Developer, Royal York Property Management

MAY 2020 - AUGUST 2020

- Responsible for design and implementation of **frontend architecture** for **mobile** and **web apps**.
- Built apps using **React JS** and **Ionic** frameworks to create a responsive **single page application**.
- Developed platform to connect over **10,000 users** with property showing agents and listings.

Automation Developer, Royal Bank of Canada

MAY 2019 - AUGUST 2019

- Designed software solutions using **Java**, **Python**, and **VBA** for various teams to **automate** tasks.
- Researched different approaches based on teams' needs and available resources.
- Implemented **8 projects** saving a total of **15.5 hours** of manual work per month.

RELATED EXPERIENCE

Design Team Lead, QMIND

SEPTEMBER 2019 - PRESENT

- Used **Python** to build an **Artificial Intelligence** to generate lyrics based on genres.
- Scrapped over **1,000 songs** using the **Genius Lyrics API** to train on an **LSTM model** using **Keras**.
- Trained model to detect genres with **62.99%** accuracy and generate lyrics with **73.93%** accuracy.

Data Science Team Lead, BetaLab

MARCH 2020 - PRESENT

- Developed **Artificial Intelligence** to predict stock market closing prices using **Python**.
- Retrieved stock market data from **Yahoo! Finance** to train an ensemble **LSTM model** using **Keras**.
- Trained model to predict future closing prices with **60.53%** accuracy.

PROJECTS

Fashion Classifier, Winner - Camp QMIND 2020 Hackathon

OCTOBER 2020

- Lead a team to create an **Artificial Intelligence** that classifies fashion items.
- Used **NumPy** and **Keras Python** frameworks to preprocess images and build a **CNN model**.
- **Won** the competition against over **200 participants** with a final accuracy of **91.95%**.

CSS Toolkit, Personal Initiative

APRIL 2020

- Created **web application** for designing and styling CSS components using interactive tools.
- Developed app with **React JS** and **Bootstrap** frameworks using **TypeScript** and **SASS**.
- Code and demo available at **jacobseiler.com**.

SKILLS

- Expert in Java and Python. Proficient in TypeScript, C++, HTML, SASS, and VBA.
- Experience working with React JS, Ionic, Bootstrap, Keras, NumPy, and Git.
- Strong communication, teamwork, and leadership skills.
- Interests include guitar, video games, downhill skiing, and scuba diving.

JAKE RAKUSIN

jake.rakusin@queensu.ca | 647-982-9880 | www.linkedin.com/in/jake-rakusin

EDUCATION

Bachelor of Commerce, Smith School of Business, Queen's University, Kingston, ON Class of 2022

- Cumulative GPA of 3.89 on a 4.3 scale; D.I. McLeod Dean's List
- Relevant Coursework: Calculus (A+), Managerial Statistics (A+), Managerial Accounting (A), Financial Accounting (A-)
- Academic accomplishments/awards: Recipient of Principal's Scholarship for an admission average of 95%
- Certificate for Social Impact Candidate

Ontario Secondary School Diploma, Crescent School, Toronto, ON 2014-2018

- Academic accomplishments/awards: Ontario Academic Scholar; Academic Honour Roll (90%+ average for all of high school)
- Other accomplishments/awards: Top 10 DECA Provincials (Ontario Finance); Board of Governors Award (recognized as one of top students in academics, athletics, community service, co-curricular involvement, and leadership); Susan Denton Massey Award (recognized for combination of strong academic success, school pride, and enthusiasm); Duke of Edinburgh (Bronze)

PROFESSIONAL EXPERIENCE

Finance Intern, Brookfield Asset Management, Private Equity, Toronto, ON 2020

- Worked on the Private Equity Funds team; financial reporting; managed investor relations mailbox and requests; performed valuations and analyzed financial data of portfolio companies

Summer Analyst, Raymond James Ltd, Toronto, ON 2019

Rotations in Private Client Group (PCG) and Capital Markets (Investment Banking, Sales and Trading, Equity Research)

- Produced investment banking pitch book; authored strategy reports to guide financial advisors in selecting equities for clients
- Created analytics tool to model client portfolio volatility scenarios and monitor downside risk; developed and delivered training manual and video tutorial to ensure company-wide adoption
- Compiled and analyzed advisor data to provide recommendations to branch management; designed nomination process and documentation for a new internal award to incentivize employees
- Organized and hosted RBC Canadian Open tent; distributed tickets; greeted clients and advisors, and developed feedback surveys to retain clients

EXTRACURRICULAR EXPERIENCE

Professional Development Co-Director, Queen's Machine Intelligence & Neuroevolution Design, Kingston, ON 2019-Present

- Led an interdisciplinary team to create a startup venture and presented at 350-person AI national conference
- Developed "The Hub", a public and centralized database of professional development, career option resources, and employment opportunities to help undergraduate students achieve their goals

Partnership and Events Manager, I AM Mending the Gap, Kingston, ON 2019-Present

- Sourced strategic partnerships and event ideas to execute across Canada
- Planned logistics and promotion for events that educate and increase awareness of gender inequality in athletics

Director of Competitors, Queen's Entrepreneurs' Competition, Kingston, ON 2018-Present

- Established 60+ partnerships with incubators and other entrepreneurial organizations to recruit competitors to our event
- Launched a mentorship program to help underprivileged entrepreneurs progress with their startup ventures

ADDITIONAL INFORMATION

- Accepted offer as Summer Intern, External Audit, PwC Canada for Summer 2021
- Wheelchair Tennis Instructor and Tennis Canada Instructor Certifications
- Microsoft AI Business School Self-Training – AI Technologies, AI and Business Strategy, AI Culture, Responsible AI
- Proficient in Cloud and Machine Learning, Data Modelling, Excel Dashboards and Pivot Tables, SQL, and R
- Proficient in Bloomberg Terminal (certified in Bloomberg Market Concepts), Capital IQ, and Financial Modelling
- Delegate – Social Impact Summit (2018), Social Impact Bootcamp (2019), Queen's Business and Technology Conference (2019), Queen's Leaders in Engaging Change Conference (2020), Canadian Undergraduate Conference on Artificial Intelligence (2020)
- Other interests include tennis, fitness/boxing, golf, reading, technology, and travel

JARED MEJIA

Undergraduate
Research Assistant

Contact

Address

1216 Windsor Way,
Redwood City, CA,
94061

Phone

(650) 400-0273

E-mail

jared.mejia@pomona.edu

Skills

Python

Java

Linux

LaTeX

OCaml

Mathematics

Natural Language

Processing

Third-year student at Pomona College pursuing a degree in Computer Science and Mathematics. Passionate about research in socially responsible AI/ML.

Education

Bachelor of Science: Computer Science and Mathematics

Pomona College - Claremont, CA (August 2018 – present)

- GPA: 12.0/12.0, (equivalent to 4.0/4.0)
- Pomona College Scholar
- Computer Science Department Student Liaison
- Pomona-Pitzer Men's Soccer - SCIAC Honors 2018-2019 All-Academic Team

Work History

Computer Science Research Assistant

Pomona College, Claremont, CA (September 2020 – present), Advisor: [Prof. Anthony Clark](#)

- Conducting research on Robot Learning in High-Fidelity Simulation Environments
- Training Deep Neural Networks on simulation data for transfer to real environments

Teaching Assistant and Student Mentor

Pomona College, Claremont, CA (January 2019 – present)

- Teaching Assistant for Introduction to Computer Science with Python (CS051P)
- Teaching Assistant for Advanced Programming and Data Structures (CS062)
- Mentor for Principles: Microeconomics (ECON052)

Product Engineering Intern

Cadence Design Systems, San Jose, CA (June 2020 – August 2020)

- Wrote scripts automating the management/installation of clusters and dependencies across multiple machines for a cloud-based AI and Big Data Analytics platform

Media and Programming Intern

Bittner Development Group, LLC, Redwood City, CA (May 2019 – August 2019)

- Programmed in JavaScript/React, Ruby on Rails, HTML
- Performed quality assessment of software
- Project manager for a variety of small technical projects

Accelerated Math Instructor

Bittner Development Group, LLC, Redwood City, CA (May 2018 – August 2018)

- Taught accelerated Geometry/Algebra II to high school students

Activities Coordinator

The Bay Club Company, Redwood City, CA (May 2018 – August 2018)

- Coordinated and organized various activities events for members of the fitness club

Jasdeep Singh

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[LinkedIn](#)

EDUCATION

Ivey Business School, Western University, London, ON, Canada

2022

Candidate for Bachelor of Arts, Honors Business Administration (HBA)

- Completed first two years in *Bachelor of Engineering Science, Software Engineering*
- Western Scholarship of Excellence for achieving a final admission average of 90.0% to 94.9% (2018)
- Dean's Honor List (2019-2020)
- Major GPA: 4.0/4.0; Cumulative GPA: 3.7/4.0

WORK EXPERIENCE

Tech Emporium, Burlington, ON, Canada

Summer 2019

Specialist Analyst & Technician

- Saved \$2500 in annual shipping costs by changing to a domestic supplier; analyzed pricing data of various suppliers to compare cost efficacy and quality.
- Increased accessory sales by 25%; resulted from performing market analysis of consumers in the 15-25 age group through online surveys and in person questionnaires then implementing a tailored marketing campaign.
- Decreased customer turnover by 10% and increased ratings from 4.1 to 4.6 stars on Google; utilized 5 years of repair experience in repairing iOS devices such as iPhones, iPads and MacBooks.

Electronic Repair Clinic, Oakville, ON, Canada

Summer 2018

Head Repair Analyst & Technician

- Grew customer base by 13% in the summer; performed an industry analysis of the most popular repairs being done and suggested to management to buy these parts in bulk to lower unit costs and provide competitive prices.
- Increased August 2018 sales by 30%; deployed a social media marketing campaign for a back to school program highlighting competitive prices.
- Eliminated \$32,500 in annual losses due to part damage by technicians and doubled repair volume for iOS devices; worked one-on-one after hours with technicians to increase their skills in mainstream iOS and Android devices.

EXTRA-CURRICULAR ACTIVITIES

Western Artificial Intelligence, Business Analytics Presentation Lead

2019-Present

- Spent an additional two hours per week to build a program that dynamically trained a machine learning algorithm resulting in greater optimization.
- Led a team that built a user interface for a stock price prediction program utilizing website development languages such as HTML, CSS, and JavaScript.

Western Basketball Intramurals, Team Captain

2019-2020

- Led team to 3rd place in the Competitive Division of Western Basketball Intramural League utilizing five years of Rep basketball experience; spent one hour each week teaching offensive plays and defensive tactics.

Perth Hall Residence Council, 5 South Floor Representative & Junior Commissioner

2018-2019

- Increased the number of Health and Wellness activities that Council provided; achieved by creating a council wide survey that gave feedback on the most wanted events and activities.
- Held additional weekly one-hour floor meetings in the floor lounge to address issues that residence felt more comfortable conveying to me than the RA; conveyed these problems to the RA to remedy the situation.
- Received the "Chief Happiness Officer" award for my outgoing personality and willingness to go the extra step in ensuring all residence of Perth Hall had a positive experience.

Technical Skills: Proficient in Microsoft Office, Python, SQL, Java, C#, C++, JavaScript, CSS, HTML, React.js, MATLAB

Completed Projects: *SpikeyRun* ([Live Link](#)) iOS App, *Knight Quest* full-fledged RPG game (Unity)

Interests: App development, Cosmology, Fantasy Basketball

JASON LI

2501-426 University Avenue, Toronto ON M5G1S9

647-916-8498 | jasonj.li@mail.utoronto.ca | <https://github.com/jasonjli1999>

EDUCATION

Bachelor of Applied Science in Engineering Science, University of Toronto, Faculty of Engineering.

- Major in **Machine Intelligence**, Incoming **Fourth Year**, Expected Graduation 2022.
- **3.90 CGPA**.

TECHNICAL SKILLS

- **Tools:** C, C++, Python/PyTorch, Julia, MATLAB, JavaScript, ARM Assembly Language, HTML/CSS, LaTeX.
- **Operating Systems:** Linux, Windows.
- Good knowledge of data structures, algorithms, neural network models, and machine learning techniques.

EXPERIENCE

Intel Corporation Software Engineer – High Level Synthesis Team

May 2020 – Present

- Improved the efficiency for High Level Synthesis of FPGAs through parallelization of build system, reducing compilation time by over 70%.
- Designed and maintained internal dashboard to visualize and summarize regression test results, used on a regular basis by over 50 Engineers.
- Assisted in remodelling software infrastructure, exercised modular design mindset and participated in decision-making process through rigorous analysis of subcomponents and overall integration

University of Toronto Engineering Curriculum Researcher

May 2019 – September 2020

- Researched the use of curriculum mapping to help organize university course structure in relation to desirable engineering attributes.
- Developed web application based on research to organize university math, science, and engineering concepts with a focus on integration between courses and applications in practical contexts.
- Received approval from numerous U of T teaching faculty members for usefulness of application for university education.

Galbraith Society Research Program Coordinator

August 2018 – Present

- Assisted in coordinating the Research Experience program, engaging with over 100 professors to seek student research opportunities.
- Facilitated research projects for students to collaborate with professors across both engineering and science faculties over two semesters.

PROJECTS AND AWARDS

University of Toronto Engineering Design Robotics

- Designed and built robot capable of autonomously placing load into storage units.
- Employed Utility Function decision making and AHP analysis to converge on most suitable design options.
- Created circuitry foundation for the operation of the robot and analysed in detail the electromagnetic effects of motor interference on controllers and sensors.

University of Toronto UltraHacks – 1st Place Mechanical Design

- Designed and assembled a functioning physical elevator model, utilizing a self-designed algorithm for optimizing transportation efficiency, earning the title of best mechanical design out of all participants.

JASPER SCHAFFER

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17JAS15@queensu.ca · <https://www.linkedin.com/in/jasper-schaffer-1232a217b/>

EDUCATION

EXPECTED APRIL 2022

B.A.Sc.: ELECTRICAL ENGINEERING, QUEEN'S UNIVERSITY

PROFESSIONAL EXPERIENCE

05/2020 – 09/2020

ENGINEERING TRAINEE, WOODGROVE TECHNOLOGIES

Designed and prototyped Machine Learning/AI image segmentation algorithms for the mining industry.

Conducted in depth research on current classification algorithms

Evaluated AI/Machine Learning approaches

Organized and trained technicians on image annotation process

04/2019– 06/2019

ENGINEERING TRAINEE, WOODGROVE TECHNOLOGIES

Designed and performed test plans for new software

Designed and performed tests for instrumentation and sensors

Developed baseline training images for evaluation of vision software.

Set up and configuration of vision system hardware and software

Performed factory acceptance tests (FAT) on vision system hardware at client site in China.

EXTRACURRICULAR EXPERIENCE

06/2020 – CURRENT

HEAD MANAGER, QMAST (QUEENS UNIVERSITY DESIGN TEAM)

Responsible for the organization of the team's financials

Organized hiring of leaders within the group

Project Management of sub-teams, reviewing schedule and tasks

Plans arrangements for the yearly "Sailbot" competition

07/2020 – CURRENT

TECHNICAL TRAINING COORDINATOR MANAGER, INQUBATE

Provide technical information and support to Canada's first student-run artificial intelligence (AI) start-up incubator

Designed and ran a semester long course on the basics of AI and ML

Advised multiple small businesses on technical development

09/2019– 04/2020

HEAD ELECTRICAL MANAGER, QMAST (QUEENS UNIVERSITY DESIGN TEAM)

Organized electrical team on the Queen's Mostly Autonomous Sail team

Designed circuit boards using Eagle PCB design software

Instructed students on proper soldering and PCB design techniques

SKILLS

- Python
- MatLab
- Arduino
- Assembly
- C++
- Tensorflow
- Swift
- Java
- Solidity
- Github
- VHDL
- Blockchain
- Microsoft Office

ACTIVITIES

- Queen's University Frosh leader
- Soccer player
- Hockey player
- Sailing instructor
- Rubik's cube enthusiast
- Past projects:
<https://drive.google.com/file/d/1D7tjeXkmEW7VUNXkEV-LTNzDBpLQ5cYK/view?usp=sharing>

Jesse MacCormac

17jgm1@queensu.ca | (613) 762-3771 | 92 Piper Crescent, Ottawa, ON
linkedin.com/in/jesse-maccormac

Education

| | |
|-----------------------------------------------------------------------------------------------|---------------------------------|
| Bachelor of Applied Science, Computer Engineering. Queen's University, Kingston, ON | September 2018 – Present |
| - Recipient of the Queen's Excellence Scholarship - Dean's Scholar | |

Professional Experience

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| ION Services Tool Team Summer Co-op Nokia, Ottawa, ON | April – August 2019, May – August 2020 |
| - Worked on various projects for the setup and development of core databases, ETL tools, reporting infrastructure, and data flow between online corporate systems such as Oracle and MSSQL - Worked and communicated with multiple departments to fulfill requests and generate solutions to fill various needs. | |

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| Tutor Ottawa, ON | September 2016 – June 2018 |
| - Tutored multiple students in various subjects such as math, physics and chemistry - Demonstrated a thorough understanding of the material and the ability to communicate information to others in a way that was understandable to each individual | |

Extracurricular Experience

| | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| QMIND Member Queen's University, Kingston, ON | September 2019 – Present |
| Autonomous Pothole Avoidance https://github.com/jlaframboise/Robo-Traverse | |
| - Developed and integrated identification and localization models with an avoidance algorithm in ROS to create a system to enable a robot to identify potholes and steer around them | |

| | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Autonomous Driving | |
| - Led a team in the development and deployment of an automated ROS system for lane detection and steering - Used project management techniques to effectively plan the project and manage my team | |

Skills

- B1 level diploma for proficiency in French: DELF(Diplôme d'études en langue française)
- Proficiency in programming: Java, C/C++/C#, Python, SQL, HTML/Javascript/CSS
- Proficient in GIT, Microsoft Visual Studio, SSMS tools, Matlab

Awards and Certifications

- Ontario Semi-finalist in the ECOO Programming Competition **2018**
- Sir Isaac Newton Exam, placed top 100 in Canada **2018**

Joel Cross

joelcross.github.io • linkedin.com/in/joeldcross • github.com/joelcross
(705) 321-3294 • joelcross@gmail.com

Education

Queen's University, Kingston ON | 2018 – 2022

Bachelor of Computing (Honours), Software Development Specialization (SODE-P-BCH)

- Coursework: data structures and algorithms, software quality assurance, web development, human-computer interaction, operating systems, software architecture

Software Engineering Projects

WeShare (JavaScript, HTML, CSS, SQL, PHP)

This project utilizes the Google Maps and Google Places APIs to connect those wishing to donate clothes with nearby donation centres. Donation centre details and most-needed clothing articles are accessed through querying an SQL database.

Agendify (JavaScript, HTML, CSS)

This webapp accesses the user's daily schedule using the Google Calendar API and suggests relevant Spotify playlists for the given activities.

PinScraper (Python)

This webscraper tool uses the BeautifulSoup python library and AppleScript to set the desktop wallpaper to rotate through all images in a Pinterest board specified by the user.

Personal Website (HTML/CSS)

This website (joelcross.github.io) displays my experience, skills, and projects. It demonstrates my knowledge of UX/UI design and ability to implement an attractive front-end from scratch.

Experience

Media Director of Queen's Software Developer's Club | Sept. 2020 – Present

- Leading workshops, creating marketing graphics, designing club website
- Hired coordinators and oversee their work

Queen's University Orientation Leader | Aug. 2020 - Sept. 2020

- Brainstormed creative ways to engage with incoming students online
- Led a group in games, information sessions, and Q&A's

Skills

Proficient: Python, Java, HTML, CSS, JavaScript, Git

Familiar: Linux, C, SQL, React Native

Joel Miller, Software Engineer Student Co-Op

7167394029, Joelmiller0430@gmail.com

EMPLOYMENT HISTORY

| | | |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| Apr 2019 — Sep 2020 | Basic Operations, NiePlus | Wellandport |
| | <ul style="list-style-type: none">Was responsible for packaging, and delivery of the company's merchandise to their customersIncluded checking and double-checking the quantity and quality of deliverables | |
| Mar 2018 — Sep 2018 | Element Guide /Gear Crew, Wildplay | Niagara Falls |
| | <ul style="list-style-type: none">Instruct guests throughout the entirety of the zipline experienceProperly outfit guests with required zipline safety equipmentSecure guests onto and remove guests from ziplineCreate a safe and supportive environment for guestsCarefully follow all instructions given by team leadEnsure the safety of membersProvide emergency care and treatment if needed | |
| Oct 2015 — Sep 2017 | Lifeguard / Swimming Instructor, YMCA | Port Colborne |
| | <ul style="list-style-type: none">Maintain safe swimming conditions in the pool and on the deckEnsure the safety of membersProvide emergency care and treatment until the arrival of emergency medical servicesTeach swimming techniques and safety education to studentsAppropriately plan for and deliver swimming lessons in a safe and positive learning environment | |

EDUCATION

| | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|--------|
| Sep 2018 — Apr 2022 | Software Engineering, University of Western Ontario | London |
| | Third-year student | |
| <ul style="list-style-type: none">SCRIPTING PROGRAMMING LANGUAGE - Javascript, CSS, HTMLSOFTWARE DESIGN - Java, JavaFX, ScenebuilderALGORITHMS & DATA STRUCTURE - JavaSOFTWARE CONSTRUCTION - C#, Unity, GithubDIGITAL-LOGIC SYSTEMS -Use of Quartus PrimeDISCRETE MATHEMATICS | | |
| Familiarity with object-oriented programming and a focus on the ability to learn new programming languages | | |

| | | |
|--------|-----------------------------|-----------------------------------------------|
| SKILLS | Problem-solving techniques | Works well as part of a team or independently |
| | Quick Learner | Verbal Communication |
| | Excellent analytical skills | Multitasking |
| | Attention to details | |

EXTRA-CURRICULAR ACTIVITIES

| | | |
|---------------------|------------------------------------------------------|--------|
| Feb 2020 — Feb 2020 | Clash Royal Club, and Spur Club, School Clubs | London |
| | Recreationally involved in School Clubs | |

| | |
|---------|-------------------------------------------------------|
| HOBBIES | Star-gazing, Snowboarding, Guitar, Swimming, Running. |
|---------|-------------------------------------------------------|

| | |
|------------|-----------------------------------|
| REFERENCES | References available upon request |
|------------|-----------------------------------|

Email: Johnson7267@gmail.com

Phone: 416-315-8679

Address: 157 Paradelle Dr.

Johnson Zhang

Portfolio: [GitHub](https://github.com/johnsonzhang434) | [LinkedIn](https://www.linkedin.com/in/johnson-zhang-ba77b1163/)

EDUCATION

Queen's University, School of Computing

Bachelor's of Computing (Hons.), Specialization - Software Design

Kingston, ON

Expected May 2022

- **GPA: 3.46/4.3**

- Honors: Fall and Spring Dean's Honor List

- Relevant Activities: Betalabs Backend Developer Intern

- Relevant Courses Taken:

- Software Quality Assurance
- Operating Systems
- Data Structures
- Software Specifications
- Linear Data Analysis

Trinity College School

Port Hope, ON

September 2014 – June 2018

- **GPA: 4.0/4.0**

- Achievements: Scholar Status (3.2+ GPA)

- Relevant Coursework: ICS4U

WORK EXPERIENCE

BetaLabs

Kingston, ON

Backend Developer Intern

October 2019 – August 2020

- Worked on making a RESTful API for an e-commerce website using **Express**, **Node.js**, and **MongoDB**.

QWebs

Kingston, ON

Web Developer Intern

September 2019 – August 2020

- Used **HTML**, **CSS**, and **JavaScript** to create a personal portfolio.

Computing Orientation Executive

Kingston, ON

Publications

November 2019 – September 2020

- Managed the Queen's Computing Orientation website.

TECHNICAL SKILLS/PROJECTS

Languages/Techologies:

Java | Python | HTML / CSS | JavaScript | C / C++ | MATLAB | Node.js | Django | Docker | React | MongoDB | SQL

Selected Projects:

SeetGeek

- A web application that allows a registered user to buy and sell tickets.
- Built with: **Python**, **HTML / CSS**, **Docker**

Kings Pavilion E-Commerce Store

- A web application that displayed a supermarket's products and services
- Built with: **HTML / CSS**, **JavaScript**, **React**, **Node.js**, **MongoDB**

Jose Luis Mangubat

343-989-2723 | joseluismangubat@gmail.com | <https://github.com/luismangubat> | linkedin.com/in/joseluismangubat

EDUCATION

Bachelor of Computing - Artificial Intelligence (3rd year)

September 2018 - April 2022

Queen's University, Kingston ON

- Relevant Coursework: Data Structures, Computer Architecture, Logic, Data Analytics, Business Fundamentals

Stanford University Certificate & deeplearning.ai - Machine Learning/Deep Learning via Coursera

April 2020

- Learned the fundamentals of Machine Learning using **Octave/MATLAB** and practical applications of Deep Learning with frameworks/libraries such as **Numpy, and Scikit Learn** by Adjunct Professor Andrew Ng.

SKILLS

- Programming Languages: Python (most proficient), Javascript, HTML, CSS3, Java
- Technologies: React, React Hooks, Figma, Firebase, Node, Express, Pandas, Scikit Learn, Git, Github
- Management: Notion, SWOT Analysis, Lean Methodology, Risk Analysis Tool, Project Organization

WORK EXPERIENCE

QMIND x Loblaw Digital

Sept 2020 - Current

Machine Learning Engineer

- Partnering with Loblaw Digital to use **supervised multi-classification** techniques to classify **100,000 food products**.
- Created a tokenizer and data preprocessing pipeline **minimizing dataset by 70%** to reduce **training time by 300%**
- Implemented various machine learning models yielding an **84.5% accuracy** using **Pandas, Scikit-learn** and **NLTK**

QISCI Spread Innovation Cohort 2020 | Encor, encor.cc

May 2020 - October 2020

Internship - Full Stack Developer, UI/UX Designer, and Entrepreneur

- Awarded \$20,000 in funding from a COVID-19 specialized incubator backed by Queen's University
- Lead the front-end development of a social media management platform using **Firebase, Express React, and Node**
- Executed end to end UX design, and Brand Identity utilizing **Figma** to create an optimal user experience.
- Created various SVG files using **Airbnb lottie-web** for dynamic web animations.
- Achieved a 15% reduction in lines of code by creating 20+ reusable react components.

PROJECTS

Cyle AI, QHacks 2020 (Winner)

- Created a machine learning application (**Tensorflow**) in 36 hours that classifies articles of trash/recyclables to help incentivize awareness of what the user recycle.
- Implemented material design concepts to create a mobile-first user interface.
- Developed the front-end interface using **Python** with the **Kivy** framework with over 1500 lines of code.
- Winner of Mayor's Innovation Challenge and was selected as the top 3 overall winning teams in a hackathon.

Presidential Election Predictor

- Developed a predictor about the efficacy of U.S Presidential Speeches using **Python, Pandas, and Scikit-learn**.
- Integrated statistical analysis and data visualization using clustering techniques such as **Principal Component Analysis (PCA), and K-Means Clustering**
- Implemented various machine learning algorithms including **Support Vector Machines, Random Forest, and XGBoosting** with the best model attaining a **93.5% Accuracy**.

Silver, Personal

- Developed a full-stack blog web application, with a focus on Apples' user interaction guidelines.
- Implemented a **react.js** with **react hooks** stateful logic for various components with advanced **CSS** techniques.
- Used **node.js** to create a lightweight back-end **Kao** server.

INTERESTS & OTHER ACTIVITIES

Creative Director of Queen's Asian Student Association, Media Director of Queen's Powerlifting and Olympic Weightlifting, Photographer for Vogue Charity Fashion Show and MUSE Magazine, Photographer, Cinematographer, Powerlifter, and U19 Philippine National Rugby Team Player

<https://luismangubat.com/>

Josh Chang
615 Seattle Drive SW, Calgary, AB T2W 0M8
(587) 580 – 9388
joshchang@cmail.carleton.ca

HIGHLIGHTS OF QUALIFICATIONS

- Third year engineering student with a CGPA of 11.5/12
- Time management essential to manage a fast-paced full course load and freelance work
- 3rd place finish at cuHacking 2021 with the Ross Video Challenge and created a system to generate questions using the NLTK toolkit and web scraping with ‘requests’
- Knowledge of software development including moderate usage of Python and MATLAB data science and exposure to machine learning and SQL
- Creation and basic knowledge of querying from REST APIs using NodeJS
- Royal Conservatory of Music Level 10 certificates in Piano and Speech Arts
- Fluent in English and conversational Chinese Mandarin

EDUCATION

Bachelor of Engineering in Aerospace Engineering

September 2018 – Present

- Deans List 2018 – 2019 and 2019 – 2020

Carleton University

Ottawa, Ontario

WORK EXPERIENCE

Business Intelligence Analyst

July 2019 – Present

Dunroe Inc.

Calgary, Alberta

- Promoted to Business Intelligence Analyst during Summer 2020. Presented with a leadership in instructing new hires with internal proprietary technologies
- Continued to develop firm intellectual property
 - Confidential classification algorithms
 - Data collection (original scripts in Python, modifications in NodeJS; internal database querying) and data pipeline creation
- External communication with potential clients over the phone to identify operational challenges and opportunities for software redesign
- Full time summer position that was extended into a remote freelance position during the 2019-2020 and 2020-2021 school years.

Notetaker (Volunteer)

September 2018 – December 2019

PMC Volunteer, Carleton University

Ottawa, Ontario

- Prepared notes during class and proofread afterwards for upload to help students with physical and learning disabilities
- Self motivated drive to ensure attendance of all lectures and ensuring notes were properly uploaded by the requested deadlines.

ACCOMPLISHMENTS

Royal Conservatory of Music (RCM) Level 10 Certification in Speech Arts

2018

- Completed 8 years of training in public speaking, improving my acting ability and clarity and conciseness of verbal communication
- Emphasis was on fine art performance elements, public speaking, and theoretical/historical aspects of Speech Arts

Julia Cai

903 Nettleship Court, Kanata, Ontario, K2T 0E9 | (613) 663-9309 |

juliacai@cmail.carleton.ca | <https://github.com/juliaziqingcai>

Education

Bachelor of Computer Science Honors, Co-op Option

September 2018-Present

Carleton University, Ottawa, ON

- 3rd Year Undergraduate, CGPA 9.37/12.0(B+)
- 2018 Dean's Honor List
- Expected Graduation: May 2022

Languages: C, C++, Python, Java, Racket, SQL, JavaScript

OS: Linux (Ubuntu), Windows

Environments: DrRacket, Visual Studio Code, vim, IDLE, Wing IDE,

Version Control: GitHub, Git Bash, Atlassian's BitBucket Git control

Software packes: Word, Powerpoint, Excel, Outlook, Win SCP, PuTTY SSH

Work Experience

Joint Operations Analyst

September 2020-Present

Canadian Joint Operations Command, Department of National Defense, Ottawa, ON

- Processed and modelled airlift raw data into visualizations for general trend analysis in Python using Numpy, SciKit, and Anaconda libraries
- Explored literature for reinforcement learning applications in defense to identify gaps and suggest future developments in a literature review

Researcher in Algorithms and Data Structures

May 2019-August 2019

Computational Geometry Lab, School of Computer Science, Carleton University, Ottawa, ON

- Responsible for the complete design, development, implementation, testing, data analytics, and modification of an entirely new algorithm independently with mentorship from supervisors
- Performed algorithmic analysis to modify workflows and improve accuracy of the overall process from 50% success to 100% success
- Developed and programmed multiple computer programs in Python and C++ as simulations of theoretical proofs that were testable, easily modified, and gave feedback to further develop algorithms
- Collected and interpreted worksheet data to discover vital process relationships and flows through statistical and probabilistic analysis from program test outputs

Applied Projects

Team Member

September 2019 - Present

Carleton AI Society Rock-Paper-Scissors AI Project

- Learned and implemented Machine Learning techniques through existing Python libraries, such as NumPy, Scikit, and SciPy
- Partitioned, analyzed, and interpreted government data sets to give meaningful results from which policy decisions and recommendations could be made

Kevin Ayala



(760) 835-9148
Kevin.Ayala@pomona.edu
Claremont, CA
<https://www.linkedin.com/in/kevin-ayala/>
<https://github.com/Kayala47>

Skills

Programming Languages

| | | |
|--------------|------|--------|
| Advanced | Java | Python |
| Intermediate | C | Rust |
| Learning | SQL | C++ |

Technical Skills

Experienced:

Slack API, XCode, Linux, Raspberry Pi, Arduino, SQLite, Cloudflare Workers

Learning:

Unreal Engine, Unity Engine, Deep Learning Models, Discord API, MySQL

Activities

Publicity Arbiter

5C Hackathon

Managed team responsible for 5C Hackathon website and publicity.

- Accomplished re-design of website based on team and user feedback.
- Responsible for migration of website hosting from Heroku to Django.

Student Pilot

Worked towards private pilot's license, requiring great communication, study, and multitasking skills.

- Received 88% on FAA written exam.
- Received solo flight certification.

Game Master

Dungeons and Dragons, 5th Edition

Led 7 others in design of immersive world, requiring coordinating backstories, hopes, and preferences for each. Provided conflict resolution and problem-solving assistance throughout over 200 hours of content.

Education

Pomona College, Claremont CA

Bachelor of Arts in Computer Science, Graduation 2022

Projects

Deep Learning Model for Traversal of Environment

Task:

Using Unreal Engine to create high-fidelity environments and using them to train a deep learning model that will allow a robot to perform search and rescue tasks.

Learning:

Unreal Engine, Deep Learning Models

Enhanced Resume with NLP

Task:

Using NLP to create resume tool that scrapes online job listings and uses them to include relevant sections.

Learning:

Natural Language Processing tools

Study Group Database Application

Task:

Using MySQL and web architecture to create database of students that will aid in connection of remote students with each other.

Learning:

SQL, Database management systems

TTRPG Discord Bot

Task:

Using Python to create Discord bot to assist players of TTRPG's. Through user panel, elucidated requirements such as: database of user-made content, advanced dice rolling, and participant tracking.

Learning:

Python NLP libraries, web architecture, designing and deploying large application from scratch, Discord API, requirements elicitation

RFID Inventory System

Task:

Designed and prototyped system for tracking inventory of tech. lab using RFID-equipped Arduino. Used node-red to communicate with SQLite server.

Learned:

Internet of Things development, SQLite, node-red, project design

Work Experience

Student Researcher, Pomona College RAISE

Designed simple map generator using Perlin noise heightmaps that could accept natural language commands to add features through propagation. Implemented A* search for use in creating realistic river flow.

Lab Manager, Pomona College ITK Lab

Provided training for VR and 3-D equipment. Helped create published iOS app to teach concepts.

Kevin Huang

18kh7@queensu.ca ♦ (416) 878-3299 ♦ Richmond Hill, ON

SKILL SUMMARY

Languages

- Proficient in Java, C/C++, VHDL, MATLAB
- Moderate Knowledge with Python, JavaScript
- English and Mandarin fluency

Software/Hardware

- Uses Eclipse, BlueJ, Greenfoot, Codelite, Gitlab/hub, Nios II, Altera, Linux and Zoom
- Experienced with FPGAs, Arduinos, PCB, Welding, Oscilloscopes, Digital Multimeters

PROJECTS

Controlled Input/Output with Parallel Port

Sept 2020 – Oct 2020

- Applied concepts of program-controlled input/output through VHDL in the Nios II Program
- Demonstrated profound knowledge of VHDL through the uses of subroutines to transfer data from the input port through the circular buffer to the output port
- Demonstrated profound knowledge of handling system interrupts through the initialization and the implementation of ISR subroutine.

Autonomous Vehicular System Design (C/C++)

Sept 2019 – Dec 2019

- Design and physically implement PCB with motion and inferred sensors for the autonomous vehicle to reach the destination
- Further optimize the speed and accuracy of the vehicle through data feedback using the Arduino software.
- Attached interrupts to the program so it can catch the pulse of the rotary encoder to ensure the vehicle to drive straight

User Interactive Guessing Game (Java)

Sept 2019 – Jan 2020

- Developed an object-oriented game under Eclipse to implement classes and objects
- Demonstrated outstanding knowledge of Java programming through the uses of advanced techniques such as inheritance, overloading and polymorphism
- Implemented a score, timer, difficulty and hint system to improve the enjoyment of the game

Mini Flash Applications, Adobe Flash Professional CS (Action Script)

Sept 2016 – Jan 2017

- Developed a Crossover fighting game and created many basic applications such as calculators, animations and implementing GUI to gain insight in game development
- Brought many iconic characters to life by animating move sets frame by frame from importing sprites

EDUCATION

Queen's University

B.ASc , Computer Engineering Candidate

Sept 2018 – Present

Kingston, ON

- Related coursework: Algorithms, Operating Systems, Microprocessor Interfacing and Embedded Systems, Probability and Random Processes, Object Oriented Programming, Computer architecture
- Part of the Varsity League of Legends Esports team

Lia Mason

liamason.com • linkedin.com/in/lia-k-mason • github.com/lia-mason • lia.k.mason@gmail.com • 613-850-5083

Work Experience

Software Developer Intern — MindBridge Ai

May 2020 - Aug 2020. Remote.

- Designed and developed interactive data visualizations with TypeScript, HTML, CSS and Java that show high risk areas in financial statements to make it instantly clear to auditors what areas to focus on.
- Contributed 1000+ lines of code updating front-end components to communicate analytics more clearly to users.
- Provided input on feature design and time estimation in sprint planning meetings, identified and fixed bugs, and reviewed pull requests.

Technical Student Consultant — Loblaw Digital

Jan 2020 - Apr 2020. Toronto, ON.

- Designed a machine learning solution that personalized product listing pages on the Joe Fresh retail site to increase customer conversion rate.
- Collaborated with a team of four students in engineering and business.
- Presented the project to 300+ people at the Canadian Undergraduate Conference on Artificial Intelligence.

Software Quality Assurance Intern — Canadian Bank Note

May 2019 - Aug 2019. Ottawa, ON.

- Automated end-to-end testing for three internal web applications with scripts using Python, Java, Selenium, and SQL, eliminating time-consuming manual testing.
- Accelerated testing by coding a data simulator in Java.

Projects

Life Map Web App, Hack the North

- Developed the front-end (using JavaScript, React, Next.js) for a web app where users can manage their time and goals.
- Implemented a GraphQL API, database, and authentication using AWS Amplify.

1st place, RBC x CUSEC Climate Hackathon

- Developed the front-end (using JavaScript, React, and Gatsby) for a web app and chrome extension that rounds up the price of online purchases and donates the extra cents to an environmental organization, making it convenient for users to make a continual positive impact.

Projectile Simulator GUI App

- Coded the Graphical User Interface for a C++ application that simulates accurate projectile motion on different planets to educate young students.
- Documented requirements and system design decisions in Confluence and tracked issues and sprints in JIRA to improve team collaboration.

Concert Ticket Web App

- Adopted a test driven development approach to develop a web app (using Python, Flask and SQLite) where users can post or purchase concert tickets.

Education

Bachelor of Computer Science Queen's University

Sept 2018 - May 2022. Kingston, ON.

Software Design Specialization
Dean's Honour List

Relevant Coursework

Software Development Fundamentals
Data Structures and Algorithms
Data Analytics
Software Quality Assurance
Human-Computer Interaction

E-Learning Courses

Learning Hadoop (LinkedIn Learning)
The Web Developer Bootcamp 2021
(Udemy)

Leadership

Computing Orientation Leader

March 2020 - Sept 2019. Kingston, ON.

Mentored 15 incoming students to improve their transition to the computing program. Recognized as best leader by the executive team.

Skills

Web Development, UI/UX Design, Algorithms, Version Control, Software Testing, Agile

Languages and Tools

Java, Python, C, C++, JavaScript, HTML, CSS, Bash, React, React Native, Gatsby, Next.js, Git, Docker

Design

Figma, Adobe InDesign, Adobe XD, Adobe Photoshop

LUCA TROMBETTA

P 289-689-9970

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A

Ancaster,
Ontario

W

github.com/trombonee
linkedin.com/in/luca-trombetta

PROFESSIONAL EXPERIENCE

2020 Summer - Junior Vision Designer, Specter Vision Solutions

Achievement: Delivered functional application to improve company efficiencies when solving machine vision problems

- Led the design and development of a three-person team to deliver a user-friendly application to eliminate hard coding OpenCV functions
- Leveraged GTK 3+ library for user interface (UI) development in Python
- Leveraged Yapsy library for building plugin-based architecture

2019 Summer - Coffee Process Operator, Tim Hortons Roastery

Achievement: Successfully produce over 300 thousand coffee pouches per day

- Shift-work – Packaging line operator focused on maintaining product quality and optimal line efficiencies
- Duties included – Operating a high-speed line, performing quality checks, trouble-shoot problems and clean-up
- Follow health and safety practices, GMP and food safety polices

EXTRACURRICULAR EXPERIENCE

September 2019 – Present – General Member, QUANTT Trading Club

Achievement: Wrote and deployed award-winning algorithm in 2019 QUANTT trading competition

- Applied math methods to develop proprietary trading algorithms (Timeseries forecasting with sentiment analysis, Fundamental factor analysis)
- Use of Pandas and NumPy libraries for data analytics
- Research financial markets and trading strategies/models to help structure algorithms

September 2020 – Present – Design Team Lead, QMIND AI Club

Achievement: Selected to present final project at the Canadian Undergraduate Conference on AI in March 2021

- Led team of three students in delivering a functional human activity recognition machine learning model
- Main duties include scheduling team meetings and communicating with club directors
- Technical work focused on data parsing and noise reduction with python

2021 QHacks Hackathon Participant

- Developed website for automatically creating music video compilations from Spotify playlists
- Front-end written in JavaScript for improved user-experience
- Back-end written in python, leveraging Spotify and YouTube developer APIs

EDUCATION

B.A.Sc. Queen's University '22 Applied Mathematics & Computer Engineering – 3rd year

- First Class Honours
- Relevant Courses/Topics:
 - Fourier analysis
 - Control system theory
 - Signal theory
 - Data systems (SQL)

KEY SKILLS

- Strong knowledge of Python and data analysis
- Working knowledge of C, Java, JavaScript and MATLAB
- Strong teamwork, project management, problem-solving and communication skills

PERSONAL PROJECTS

- Amazon Review Scraper: Python script for collecting amazon reviews in CSV format
- Gym Timeslot Booker: Python script to automatically book timeslots at Queen's gym
(Source code available on GitHub)

AWARDS

- Mathematics Award in high school graduating class
- Athlete of the year award in high school
- Letter of recognition from department of physics based on first term performance

References available upon request

Mackenzie Sharp

905-809-9880 | 17mcs16@queensu.ca | <https://www.linkedin.com/in/mackenzie-sharp-a98b77188>

Biomedical Computing Student

HIGHLIGHTS OF QUALIFICATIONS

- Enrolled in the Honours Computing program at Queen's University, specializing in Biomedical Computing
- Working knowledge of Machine Learning applications in Python and MATLAB as well as practice coding
- Experience developing large-scale, complicated software programs in Python, C#, Java, and MATLAB
- Effective and communicative team member, level-headed when dealing with difficult situations

RELEVANT SKILLS AND EXPERIENCE

Machine Learning

- Created image classifier using keras model to differentiate cancerous brain scans from clean scans
- Designed and trained a neural network to predict gene splicing from primary sequencing data.

Team Projects

- Image classifier: keras model to identify brain cancer images from clean scans with 99.7 % accuracy.
- circRNA identifier and differential expression analysis.
- Predicting gene splicing from primary sequencing using deep learning.
- Lightbulb that changes colour by reading different Beta or Alpha brain waves with a Muse headset.
- Hospital bed forecasting using deep learning with implementation in local hospital.
- Programming motorized wheelchair, chair of speed controls.

EMPLOYMENT HISTORY

| | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| Teaching Assistant , Queen's University, Kingston, ON, Canada | 2020-present |
| • Assists in marking, holds office hours for CISC 204. | |
| Bioinformatics Researcher , Ormiston Lab | 2020 – 2020 |
| • Aligning sequence reads to the genome using the FASTQ files and BAM files of human pulmonary artery endothelial cells (hPAECs). Determining accumulation of reads over exons indicating differential splicing and screening for enhancer RNA in particular regions of the transcript to determine co-regulation. | |
| Software Engineer & Website Administrator , Queen's University, Kingston, ON, Canada | 2018-present |
| • Create a forum for alumni to communicate, maintain website using html and C++. | |
| Proctor , Queen's University, Kingston, ON, Canada | 2018-2019 |
| • Ensuring a safe and orderly testing environment, recording attendance, explaining testing rules. | |
| Summer Student , Durham District School Board, Oshawa, ON, Canada | 2018-2019 |
| • Maintaining school grounds, assisting in setting up classrooms and janitorial duties. | |
| Multimedia Specialist , Queen's University, Kingston, ON, Canada | 2018-2019 |
| • Solving issues with course websites in html, transcribing and close captioning videos and audio recordings. | |
| Technical Support Specialist , Queen's University, Kingston, ON, Canada | 2018-2019 |
| • Hosting video lectures, assisting professors and students; accessing polls, video recording sessions. | |
| Circulation Page , Oshawa Public Libraries, Oshawa, ON, Canada | 2014-2018 |
| • Checking in books and multimedia, reprogramming RFID tags, sorting and redistributing items. | |

EDUCATION

| | |
|-------------------------------------------------------------------------------------------------|-----------------------|
| Bachelor of Honours Computing , Queen's University, Kingston, ON, Canada | 2018 – present |
| • 3 rd Year, Specialization in Biomedical Computing, 4.3 GPA | |
| Deep Learning Specialization , deeplearning.ai, Coursera | 2019 |
| • Series of courses on convolutional neural networks, sequence models, constructing ML projects | |
| Machine Learning Course , Stanford University, Coursera | 2019 |
| • Theory and math behind machine learning. Assignments on a variety of models done in MATLAB | |

MADDIE TANZOLA

17mat7@queensu.ca | 416-725-5752 | www.linkedin.com/in/maddie-tanzola

EDUCATION

Bachelor of Arts, Applied Economics, Queen's University, Kingston, ON

2018 – Present

- Cumulative GPA of 3.8 on a 4.3 scale; Dean's Honour List; Excellence Scholarship for admission average of 94%
- Relevant Coursework: Calculus (A+), Statistics (A+), Microeconomic Theory (A), Macroeconomic Theory (A), Econometrics (A)
- Certificate in Business Candidate (Smith School of Business)

Ontario Secondary School Diploma, Havergal College, Toronto, ON

2014 – 2018

- Academic accomplishments/awards: Award of Distinction (90%+ average for all throughout high school); Top 10 DECA Provincials (Marketing); Top 17 DECA Internationals; Recreation and Healthy Active Leadership Award for Highest Proficiency

PROFESSIONAL EXPERIENCE

Marketing, Sales, and Data (MSD) Intern, Mesh AI, Kingston, ON

Summer 2020

- Gathered market research and analyzed market segments within the healthcare industry to develop marketing strategies
- Created email marketing campaigns using Customer Relationship Management (CRM) software to monitor target market's engagement and collect data to enhance marketing campaigns
- Formed connections with clients through phone calls to establish trust and develop strong customer relationships

Summer Intern – Site Administrator, In2ition Realty, Mississauga, ON

Summer 2019

- Worked with the Marketing and Research Department to conduct market research by comparing condos' price lists and incentives to make informed decisions for future marketing strategies
- Organized condo documents by inputting client information into databases at In2ition's sites across the Greater Toronto Area to ensure successful and timely sales execution
- Communicated professionally with agents and clients at sales events and provided details of various projects to increase customer satisfaction and rapport

Waterski Instructor, Camp Karonim, Keswick, ON

2017 – 2019

- Instructed children aged 4-16 various levels of waterskiing and wakeboarding while using lessons taught from Campsafe Waterski Instructor's Course to create a fun and safe environment
- Inspired campers to develop confidence by using empathy as a mentor and tracked waterskiing progress over two months
- Implemented new programming ideas for camp wide events and was awarded Staff of the Year in 2019 for leadership

EXTRACURRICULAR EXPERIENCE

InQUBate Cohort Member, Queen's Machine Intelligence & Neuroevolution Design (QMIND), Kingston, ON

2020 – Present

- Leading an interdisciplinary team of 5 students to form an AI-powered grocery inventory management venture
- Building a business plan and prototype to present at an AI national pitch competition of over 300 people this spring

Special Sales/Retail Coordinator, Oil Thigh Designs (OTD), Kingston, ON

2019 – Present

- Plan and execute special clothing sales events at Queen's University to generate revenue of \$150,000 annually where net proceeds are donated to local and global charities
- Build strong relations with suppliers to ensure orders are completed timely while solving the challenges of delayed orders
- Volunteer weekly for five hours in the retail store and attend all sales events, while creating a positive customer experience

Marketing Coordinator, Queen's Economics Case Conference (QECC), Kingston, ON

2019 – Present

- Develop an effective marketing plan to increase digital engagement and maximize awareness with the goal to increase conference participation of 80+ delegates
- Design content for social media posts using Adobe Suite programs and manage QECC's digital accounts to track engagement

ADDITIONAL INFORMATION

- Responsible, organized, and hardworking team member who is passionate about emerging technologies
- Various team and leadership experience, combined with strong communication and interpersonal skills
- Delegate – Queen's Leaders Engaging in Change Conference, Queen's Water Environment Conference, EXCITE Conference
- Google Analytics for Beginners Certification and Content Marketing Certification from HubSpot Academy
- Proficient in English and French

MATTHEW MILLS

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EDUCATION

| | |
|-----------------------------------------------------------------------------------------------------|------------------|
| Bachelor of Commerce , Smith School of Business, Queen's University, Kingston, ON | 2018 – 22 |
| • Third year student, with a fundamental understanding of Finance, Accounting and Marketing. | |
| • Exchange to HEC Business School in Paris in the Winter of 2022 | |
| French “Explore Program” , University de Quebec a Chicoutimi, QC | 2014 - 18 |
| • Continued exploration into the French language in Northern Quebec, for a 5-week immersive program | |
| • Awarded most improved student out of class of 15 | |
| Ontario Secondary School Diploma , Neil McNeil, Toronto, ON | 2014 - 18 |
| • Ontario Academic Scholar, Honour roll (2015-2018) | |
| • Recipient of the 2018 Neil McNeil Spiritan Award for leadership and community involvement | |
| • Certificate of Bilingual studies in French | |

PROFESSIONAL EXPERIENCE

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| Instructor/headguard , City of Toronto Aquatics, Toronto, ON | Summer 2018 - 19 |
| • Headguard Designation, second in command to the pool's general manager | |
| • Instructed children ages (2-9) on swimming fundamentals and water safety | |
| • Designed lesson plans tailored to individual classes, provided 85 report cards detailing children's progression | |
| • Developed 50 Children from beginners to amateur swimmers; and was frequently asked to instruct past students again by both parents and children | |
| Lifeguard , City of Toronto Aquatics, Toronto, ON | Summer 2015-17 |
| • As a key member of the lifeguard team, supervised Riverdale Outdoor Pool ensuring safety of patrons and staff | |
| • Earned National Life Saving certificate which included 40 hours of intense training | |
| • CPR and first aid certified | |

EXTRACURRICULAR EXPERIENCE

| | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Pennydrop Mentor , Queen's University, Kingston, ON | 2020 |
| • Helped transition Pennydrops financial literacy month to the online environment | |
| • Co-ran online workshops surrounding student financial literacy | |
| • Taught fellow students the basics and importance of budgeting | |
| Student Council President , Neil McNeil High School, Toronto, ON | 2018 |
| • Campaigned for and elected from a field of 5 as Neil McNeil student council president | |
| • Led council of 8 members, set meeting agendas and interacted with school principal on behalf of fellow students | |
| • Arranged Neil McNeil's first semi-formal with sister school Notre Dame | |
| • Delivered speeches and announcements to 940 students and faculty on a regular basis | |
| “Big Brother” Coordinator , Neil McNeil Highschool, Toronto, ON | 2017 |
| • Mentored grade 9 students in adjusting to high school life | |
| • Tutored grade 9 students with academic challenges to help them improve their confidence, academic performance and become more invested in the school | |
| • Created long-lasting friendships with grade 9 “Little brothers” inspiring some to become “Big brothers” | |

ADDITIONAL INFORMATION

- Member of Neil McNeil's Safe & Accepting school committee, focused on student inclusion and mental health (2018)
- Co-wrote an article surrounding Canadian governments stimulus (2020)
- French speaker (intermediate)
- Currently managing my own a \$6,000 portfolio with average returns in the 60% (2020)
- Raised \$3,000 with the Neil McNeil student council for Hurricane Irma relief (2017)

Matthew Rezkalla

Artificial Intelligence & Philosophy Student

Toronto, ON

647-627-7288

Matthewrezkalla@gmail.com

OBJECTIVE

My objective is to utilize artificial intelligence and the potential power it has to increase the productivity and efficiency of our workplaces in various industries today. Projects ranging from human cognition research to financial algorithmic trading have always been passions of mine, and I would love the opportunity to work on them professionally.

EXPERIENCE

• KEY SKILLS •

Python & Java

Data Analysis

TensorFlow & SQL

Microsoft Office

Highly Organized and Efficient

Problem Solver

Analytical & Creative

Quick Learner

Strong Communication

Goal-Oriented

• EXTRA-CURRICULAR ACTIVITIES •

Learning about new and advancing technology

Football, basketball, volleyball

Reading to learn

Traveling the world (Egypt, Hong Kong, Thailand, Macau...)

Billiards, chess, board games

EDUCATION

Bachelor of Computing (Hons.) Sept. 2018 – Apr. 2022

Queen's University - Kingston ON

Majoring in Artificial Intelligence & Minoring in Philosophy

Clubs & Certificates: Queen's Cerebral Innovation Team, Queens

Derivatives and Options Trading, QUANTT, Certificate in Data Analytics

Interesting Courses:

- Philosophy - Minds and Machines
- Computing - Neural and Genetic Computing (brainwave research project)
- Computing - Artificial Intelligence

Ontario Secondary School Diploma (OSSD)

July 2018

St. Brother Andre CHS - Markham, ON

- Graduated as an Ontario Scholar with Honour Roll

MAX BENNETT

max.bennett@queensu.ca | 647 801 4484 | www.linkedin.com/in/max-bennett-881951172/

EDUCATION

BACHELOR OF APPLIED SCIENCE

Queen's University, Kingston, ON | Class of 2022

Major in Applied Mathematics & Computer Engineering, current GPA: 4.14/4.3

PROFESSIONAL EXPERIENCE

UPPER-YEAR MANAGER

EngLinks, Kingston, ON | March 2020 - Present

- Leading the EngLinks Upper-Year (UY) portfolio, and managing 130+ engineering student tutors at Queen's University
- Successfully transitioned personal and workshop tutoring services to online formats during a year of remote learning due to the COVID-19 pandemic
- Analyzed past workshop attendance data, and consulted tutors in each discipline of engineering to effectively direct our spending on services and resources for the future, resulting in 13 new events run (an 81% increase), 624 new attendees (a 109% increase), \$7,947 more in revenue (a 99% increase), and \$6,237 more in profits (an 88% increase) within the UY portfolio during the Fall semester alone, compared to the 2019-2020 year

TEACHING ASSISTANT

Queen's University Faculty of Engineering and Applied Science, Kingston, ON | September 2020 - Present

- Ran three hours of weekly tutorial sessions for 60+ first-year engineering students enrolled in the APSC 171 course (calculus I) during the Fall semester
- Currently running one hour of weekly tutorial sessions for 60+ first-year engineering students enrolled in the APSC 174 course (linear algebra) throughout the Winter semester

EXTRACURRICULAR EXPERIENCE

CONFERENCE CO-CHAIR

CUCAI (Canadian Undergraduate Conference on Artificial Intelligence), Toronto, ON | April 2020 - Present

- Managing CUCAI 2021, with 800+ expected attendees, including delegates from universities across Canada and in the United States, and industry representatives from a variety of technology and business firms
- Transitioning the conference to a virtual event, using the Hopin conferencing platform, for the first time in the history of CUCAI, to ensure the safety of attendees during the COVID-19 pandemic while providing the same engaging, meaningful and enlightening experience for delegates and industry members as previous years
- Leading a nine person executive team, divided among logistics, marketing and delegates coordinators
- Developed a three-tier student group partnership program to drastically improve the structure of collaborative efforts between CUCAI and AI student groups at universities across Canada, by providing different sets of reciprocal benefits in exchange for different levels of involvement in conference organization
- Conference events include showcases for student design projects, student executive teams, and industry representatives, eight speaker presentations, two panels, and an AI incubator pitch competition, among others

ORIENTATION LEADER

Queen's University Engineering Society, Kingston, ON | March 2019 - April 2020

- Led a group of 30 first year engineering students through their first week at Queen's University
- Worked alongside nine other co-leaders to organize and run a variety of enjoyable events and activities with a focus on inclusivity, engagement, and creating a unified sense of pride in our school and program
- Provided ongoing academic support and mentorship to these students throughout the following year

AWARDS AND DISTINCTIONS

- Chancellor Scholarship, for superior academic ability, creative and original thinking and proven leadership qualities (Queen's University, entrance)
- Les Gulko Award, for academic performance in second year (Queen's University)
- Marion and Arthur Wonnacott Scholarship, for achieving the highest combined average in the vector calculus and real analysis math courses during the same year (Queen's University, second year)
- William And Beatrice Alder Scholarship, for obtaining First Class academic standing (Queen's University, first year)
- N.F. Dupuis Prize, for standing in mathematics (Queen's University, first year)
- Queen's University Annie Bentley Lillie Prize in Calculus (Queen's University, first year)

INTERESTS

- Seven years of experience playing the tenor saxophone in both symphonic and jazz bands
- Athletics awards in each of soccer, cross-country running, squash, badminton and rugby
- PADI certified scuba diver
- Certified (DELF B2 Diploma) French bilingual

Michael Lee

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Website: <http://michael.family-lee.com>

EDUCATION

Claremont Mckenna College (GPA: 3.7/4.0)

2018 – Current

- Bachelor of Sciences in Electrical Engineering & Bachelor of Arts in Economics (Projected 2023)
- Relevant Coursework: Computational Physics, Programming for Science and Engineering, Electronics Lab, Introduction to Computer Science, Statistics, Corporate Finance, Strategic Cost Management, Accounting, Econometrics, Economic Principles, Microeconomics

RELEVANT SKILLS

- Experience with designing and training high-fidelity simulated environments and actors
- Skilled with various libraries for robotic control and machine learning (AirSim, TensorFlow, PyTorch)
- Versed in these Computer Languages: Python (Advanced), C++ (Proficient), Java (Basic), CSS (Basic)
- Proficient in these Computer Programs: MATLAB, Simulink, Fusion 360, Microsoft Office (PowerPoint, Excel, Word, Access), XPP/XPPAUT, Unreal Engine, Flask, Arduino IDE

WORK EXPERIENCE

Project Manager - Pomona Artificial Intelligence (P-AI)

August 2020 – Present

- Lead a team to create a flexibly tasked autonomous drone using Reinforcement Learning algorithms
- Designed virtual environments in Unreal and created models to process state information
- Presented a first semester working prototype to a panel of AI/ML professionals at a P-AI panel event

Research Assistant - Keck Science Department

December 2019 – Present

- Implement reservoir computers in Python for series prediction using linear and nonlinear systems
- Prototype, test and research methods to improve series prediction performance
- Built several reservoir computers in Python and developed toolkits to streamline program pipeline

Peer Tutor - Dean of Students' Office – Claremont Mckenna College

August 2019 – Present

- Provide additional academic support to students studying introductory physics at CMC
- Mentored two students per semester with regular meetings and tutoring sessions

Director of Service / Wellness Programs - College Programming Board

November 2018 – May 2019

- Promoted civic engagement within the CMC student population by collaborating with local nonprofits and campus volunteer groups
- Managed a moderate departmental budget and allocated funding over the semesters' planned events
- Planned and coordinated over a dozen volunteer excursions in service of the Claremont community

GPI US, Los Angeles California, CA

July 2019 – August 2019

Group Leader

- Taught at several high schools over a two-month period throughout the Kansai region of Japan
- Led discussions and lessons on topics in STEM, furthering students' proficiency in English

EXTRACURRICULAR ACTIVITIES

- Claremont-Mudd-Scripps Varsity Athlete: Swim and Dive

Michael Treagus

6207 Overstone Drive. West Vancouver, BC, V7W 1X6
778 873 4916 | michaeljoetreagus@gmail.com

SUMMARY

Driven problem solver with determination to apply my knowledge in a professional workplace. Creative thinker paired with strong analytic and mathematics talents. Eager to challenge myself and learn new data analytics and AI/ML skills. Extremely motivated worker and great team player as shown through experience in professional and academic projects.

EDUCATION

Applied Mathematics and Computer Engineering & Certificate in Business, Queen's University 2022

- Relevant courses: Economic and Business Practice, Financial Accounting, Stochastic Processes, Math of Engineering Systems, Data Structures in C, Java.
- GPA: 3.37

EXPERIENCE

Quality Assurance Engineer Finger Food Advanced Technology Group Summer 2018

Port Coquitlam, BC

- Worked as a quality assurance test engineer throughout the development of SpheroEDU, an app that teaches block-based and text-based programming via the visual aid of Bluetooth robots.
- Collaborated with a development team and filed technical bugs and improvement suggestions.
- Exhibited leadership through unmatched productivity and helping the rest of the QA team by cross-checking and regressing their filed bugs.
- Was selected to represent Finger Food and Sphero as a judge at an elementary school SpheroEDU coding competition.

Sales and Customer Services, Ledcor Technical Services Summer 2018

Vancouver, BC

- Prepared communities for the installation of the Telus fibre network throughout the greater Vancouver area, and made door-to-door sales of Telus services, including TV, internet, cellphones, tablets, and smart-home security systems.
- Serviced customers with solutions to questions and concerns about their home services through problem definition and problem solving.
- Was part of a small team at Ledcor selected to QA test the Polis door knocking app prior to adoption by the rest of the company and other Telus vendors.
- Quickly became comfortable in the position and began assisting in training associates.

Cofounder Harbour Candle Club Summer 2020

Vancouver, BC

- Launched an online luxury candle subscription service by setting up relations with foreign suppliers, product research, product manufacturing, creating a professional website including payment portal, managing shipping logistics, creating and analyzing projections and cost structure, and conducting market research and advertising campaigns and attaining all necessary business licenses.

EXTRA-CURRICULARS

QMIND – Queen's AI Club design team member 2018-2019

Canadian Undergraduate and Conference on AI - Queens representative 2019

Assistant Rugby Coach – Rockridge Secondary 2016-2017

Avid skier, mountain biker, and adventurer

SKILLS

Excellent communication and sales skills, Excel and Microsoft Office, Jira and GitHub, Java, C, MATLAB

Molly Shillabeer
905-926-0320
17mes10@queensu.ca

Summary

Third year Computer Science student with a strong interest in data analytics and software development. Seeking to use project management skills gained through prior work experience in a 12–16-month internship.

Education

Computer Science – Queen’s University 2018 – present

- GPA: 4.29/4.3
- Subplan in Data Analytics
- Relevant Courses: System Level Programming, Operating Systems, Computer Architecture, Software Architecture, Linear & Nonlinear Data Analysis

Work Experience

Administrative Assistant 2018 – present

Epilepsy South Eastern Ontario, Kingston, ON

- Generate content for website and usage reports to inform service providers using Photoshop and Microsoft Office
- Plan and implement website changes (website traffic increased by 50%) with HTML/CSS

Teaching Assistant 2019 – present

CISC 181 (Digital Societies), Queen’s University, Kingston, ON

- Grade weekly assignments done in Python and HTML/CSS
- Support students in completing assignments during class and office hours

Summer Student 2019 – 2020

Region of Durham, Whitby, ON

- Develop webpage of community housing properties according to client’s specifications using HTML/CSS and C# with .NET framework
- Implement requests for updates to employee portal using HTML/CSS

Extracurricular Experience

Marketing Coordinator 2020

Beta Lab at Queen’s University

- Create written and visual content to promote the club on social media

Webmaster 2019

Computing Students’ Association at Queen’s University

- Update website and write webpages promoting various services

Technical Skills

- Languages: Python, Java, C, C#, MATLAB, Haskell, Prolog, HTML/CSS, SQL
- Operating Systems: Windows, Linux (bash)

MOMIN SAJJAD

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EDUCATION

Queen's University

Bachelor of Applied Science in Mechanical Engineering (Biomech option) with Professional Internship

Expected April 2022

- Queen's University Excellence Scholarship (\$2000 value), Leo & Mary Kenny Memorial Award in Applied Science (\$3500 value)

PROFESSIONAL EXPERIENCE

Bell Canada, Incoming Consulting Intern

Summer 2021

Honeywell, Application Systems Engineer Intern

Jun 2020 – Apr 2021

- Professional internship year exploring several business facets including engineering, consulting, estimating, operations, sales, and service
- Integrated IoT devices to provide technological building automation solutions in spaces of cybersecurity & building management, for healthcare, airport, and commercial building applications amidst COVID-19 pandemic; enabling businesses to return to regular operations
- Increased building energy efficiencies by 25%, reduced frequency of subcontract work by forecasting mechanical failures and faults through predictive maintenance

Projects:

Honeywell Dynamic Transfer Process

- Winner of the 2020 Graduation Innovation Challenge across 6 teams in the North American region
- Lead a diverse team of PM's, Technicians, and sales staff to ameliorate internal handover process of install to service contracts
- Implemented technological solution - emphasizing accessibility, to generate an estimated \$12.9 million increase in annual profits

Enterprise Integrator of McMaster Innovation Park

- Implemented command and control suite integration of fire, security, and HVAC operations
- Emphasized UI & UX accessibility for single point of contact for all building systems through cloud native, big data, and analytic platforms

The Master Group, HVAC-R Summer Student

Summer 2019

- Developed HVAC-R equipment requirements and provided solutions based on job parameters and regulations
- Developed new database to increase reporting capacity by 150% improving efficiency of data acquisition
- Conducted and maintained physical inventory accuracy and logistical management
- Diversified in HVAC-R industry through preparation and quality assurance of orders, parts, and datasheets

Faculty of Engineering and Applied Science at Queen's University, Course Design & Development Specialist

Sept – Dec 2018

- Designed and developed 15 new and innovative educational experiences for engineering students in blended and online courses
- Provided status reports and deliverable updates to clients, incorporating feedback to establish optimal final solutions
- Collaborated with several multi-disciplinary teams. Involving Educational Developers, Instructional Designers, Multimedia Support Analysts, Professors, and Research Assistants

EXTRACURRICULAR EXPERIENCE

Conference on Industry and Resources Queen's University Engineering (CIRQUE), Speakers Director

Sept 2019 – May 2020

- CIRQUE aims to expose engineering students to the business world while demonstrating the versatility of their degree
- Fortified interpersonal skills by contacting industry professionals gaining sponsorships and recruiting speakers to attend the event, co-organizing speaker portfolios from Google, Amazon, BMO
- Managed a \$10,000 sponsorship budget

Merlin Neurotech, General Member, The Engineering Society of Queen's University

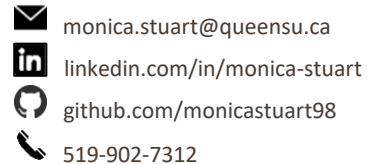
Sept 2019 – May 2020

- Neurotech aims to progress the development of neurotechnology working towards symbiosis with artificial intelligence
- Used mathematics and machine learning to develop and construct reliable and expedient classifiers for use in Brain-computer interfaces for health and technology applications

Additional Information

- **Technical Skills:** MATLAB, Python, C++, Manufacturing Methods, NX, SolidWorks, Solid Edge
- **Languages:** English, Urdu, Hindi, Punjabi, French (basic proficiency)
- **Activities:** Tier I Intramural Basketball, Football, Volleyball, Engineering Society – Orientation Leader, Youth Project Council (Non-Profit)

MONICA STUART



EDUCATION BASc. Computer Engineering, Queen's University, Kingston ON

Class of 2021

Courses: Cybersecurity, Computer Vision (OpenCV/C++), Machine Learning, Fundamentals of Software Development (C++), Algorithms I, Database Management Systems (SQL), Operating Systems, Object Oriented Programming (Java), Fundamentals of Information Structures (C), Engineering Design

Technical Skills: Typescript, Python, Java, C++, C#, C, React, NestJS, SQL, Unity, OpenCV, Git

WORK EXPERIENCE

Product Manager Intern | Spontivly

May-Aug 2020, Edmonton AB

- Developed the event management feature for product's beta pilot program. Spontivly is a B2B SaaS early-stage startup developing an all-in-one event management software.
- Prototyped multiple iterations of product feature, and tested iterations in user research and user testing sessions with 7 customers partaking in the pilot.
 - Discovered the product better serves a more niche target audience.
 - 86% of customers identified they would use this feature for the centralization it offers.

Software Engineering Intern | Microsoft

May-Aug 2019, Vancouver BC

- Developed an inclusive student learning tool web application (not publicly available).
- I implemented backend services that leveraged the BING Search API and all front-end accessibility features including keyboard navigation & screen reader support.
- Co-presented project to c-level marketing executive in Redmond, Washington.
- Partook in daily standups, sponsor meetings, development of the MVP and user research sessions to inform feature development and prioritization.
- Tech stack: Typescript, React/Redux (front-end), NestJS (back-end), Azure Services

PROJECTS

Virtual Reality Hazardous Environment Navigation | Capstone Project

Sept 2020-Present, Queens

- A telepresence system solution for safe navigation in low-visibility environments. Utilizes a Microsoft Kinect to map a smoke-filled environment in 3D that is rendered to a user's VR headset.
- Implementing the *Generative Environment Subsystem*, involving the conversion of point cloud data to mesh geometry in Unity.
- Tech Stack: C#, Unity, Oculus Quest VR Headset, Microsoft Kinect

EXTRACURRICULAR

Vice-Chair of Community | Queens Women in Computing

Mar 2020-Present

- QWIC is an inclusive community that provides tech workshops & resources to members.
- Managing QWIC's community team of 4 students to run 3 programs, transition the 70-student community slack channel to a private Instagram account and grow this student following by 25%.

Team Lead | Queens Web Development Club

Oct 2019-Apr 2020

- Lead a 4-developer team to develop a company website for SparQ studios (student run business).

Teaching Assistant | APSC 143: Introduction to Programming

Dec 2019

- Hosted weekly Matlab exam review sessions for a group of 5 first year engineering students.

Engineering Frosh Week Orientation Leader

Sept 2017-Apr 2018

- Mentored 30 first year engineering students by organizing study sessions and social events.

Natalie Nova

647-985-3192 | natnova18@gmail.com | <https://bit.ly/natalienova>

Education

Queen's University Bachelor of Computing | Cognitive Science | Dean's List
Stanford University Summer Quarter 2019 | Computer Science & Decision Making

Graduating: May 2022

Relevant Experience

Head of Research in Cognitive Networks *Queen's University Cognition Lab* Sep 2020 - Present

- Generated novel social network through intense analysis of **graph theory** and its application in cognitive structures, produced with SocNetV modelling software
- Designed experimental software based on requirements using **JS** and **HTML** to train and test participants
- Purpose is to uncover how networks are encoded in memory and discover **human decision-making** schemata of social and kin relationships
- Lead team of 4 researchers to aid in the synthesis of the materials and artifacts for publishing

Technical Product Manager *Custom Rapid Solutions* May 2020 - Sep 2020

- Designed **human interface** of a product that measured and recorded temperature, humidity, and pressure
- Converted initial customers' concept to final functional embedded system product
- Created both software and hardware requirements through analyzed **A/B testing** results and adhering to customer needs

Board of Directors Co-Chair *Woman in QMIND* April 2020 - Present

- Leadership position in Canadas largest undergraduate student-run Artificial Intelligence organization
- Championed diversity initiatives to increase support of women at Queen's pursuing interest in **AI and ML**
- Revised outreach and marketing approach to encourage engagement which lead to a **79% increase** of female design team members of the previous year and provided opportunities to enhance technical skills

Computer Science Teaching Assistant *Queen's University* Sep 2020- Present

- Thoroughly explained content that covers the fundamentals of computer science and evaluated the performance of 35 students on a weekly basis
- Effectively **communicated** and supported students to facilitate a deep understanding, foster interest in computer science, and encourage success within the course

Computing and Psychology Research *Queen's University Cognition Lab* Jan 2020 - Aug 2020

- Developed experimental tool using **Python** to gather data from students on classmate connections. Purpose to analyze self-reports and create an accurate representation of the network to use for experimental testing

Artificial Intelligence Design Team Member *QMIND* Sep 2019- March 2020

- Built a News Summarizer product using **PyTorch** to implement **ML algorithms** that analyzed content from user-selected news articles and seamlessly presented a summarization of the most important content
- Presented project and findings at the Canadian Undergraduate Conference for AI and produced a **scientific paper** with our motivation, process, and findings to showcase final product <https://bit.ly/3g2siXe> (pg 73)

Coursework and Skills

Relevant Courses: Object-Oriented Programming, Discrete Math, Computer Architecture, Linear Algebra, Data Structures, Algorithms, AI, HCI, Software Specifications, System-Level Programming, Game Design

Programming: Python, Java, C, C++, Prolog, R, JavaScript, HTML, CSS

Development/Operating Systems: GitHub, Windows, macOS, Unix/Linux, PsychoPy, JSPPsych, AWS, Unity

Certificates: Ethical Conduct for Research Involving Humans

Awards and Achievements

- Queen's University Highest Entry Level Scholarship 2018
- Award of Distinction for Public Speaking at Model UN Conference 2018
- Athlete of the Year: High achievements in volleyball as a coach and player 2017 and 2018

NATHAN KOWAL

nathan.kowal@queensu.ca | 416 451 3175 | [LinkedIn](#) | [GitHub](#)

OVERVIEW

Hardworking, organized, and leadership-oriented computer engineering student with an appetite for learning. Pursuing a career in software development or artificial intelligence. Knowledgeable in Java, C, and Python, with proficiency in HTML, CSS, and MATLAB. Interested in technology, space travel, baseball, and science fiction.

EDUCATION

| | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| Queen's University | Kingston, ON |
| <i>Bachelor of Applied Science in Computer Engineering</i> | <i>2019 – 2023</i> |
| - 4.23 cumulative GPA (4.3 scale) | |
| - George Thomas Warren Scholarship in Computer Engineering | |
| - Dean's Scholar – 2019-2020: Awarded to students with culminative GPA of 3.5 or higher | |
| Forest Hill Collegiate Institute | Toronto, ON |
| <i>OSSD</i> | <i>2015 – 2019</i> |
| - Schulich Leader Nominee – February 2019 | |
| - Kosiner Leadership Award – October 2019: “Presented to an outstanding leader within the graduating class who demonstrates strong entrepreneurial spirit” | |

RELEVANT EXPERIENCE

| | |
|------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| QMIND | Kingston, ON |
| <i>Design Team Member</i> | <i>October 2020 – Present</i> |
| - A member of Canada's largest undergraduate AI club | |
| - Currently working on human activity recognition for basketball games using Python | |
| QSET Autonomous Rover Navigation | Kingston, ON |
| <i>Software Developer</i> | <i>January 2020 – April 2020</i> |
| - Developed object avoidance algorithm by implementing virtual LiDAR sensors, leading to success in navigating computer-generated environments | |
| - Demonstrated adaptability in learning new languages by learning Python | |
| - Completed deliverables ahead of schedule and illustrated excellent team work to produce results | |
| - Took on a leadership role in delegating tasks to other team members, as well as proofreading and submitting documents for evaluation | |

EXTRACURRICULAR EXPERIENCE

| | |
|----------------------------------------------------------------------------------------------------------------|-----------------------------------|
| Engineering Society, Queen's University | Kingston, ON |
| <i>First Year Project Coordinator, External Relations</i> | <i>January 2020 – April 2020</i> |
| - Organized charity outreach event for orientation leaders in association with Boys and Girls Club | |
| - Showed great planning and communication skills while organizing event | |
| DECA Business and Entrepreneurship Club | Toronto, ON |
| <i>Co-President</i> | <i>June 2018 – June 2019</i> |
| <i>Member</i> | <i>September 2016 – June 2019</i> |
| - Taught younger members about the principles of business and marketing | |
| - Mentored incoming members on the best strategies to succeed | |
| - Participated in case studies in “sports and entertainment marketing” and “hospitality in travel and tourism” | |
| <u>Achievements:</u> | |
| Provincials Competitor – February 2018, 2019 | |
| Provincials Written Exam Top 15 – February 2018 | |
| Oral Presentation Top 18, Overall Top 18 – February 2019 | |

ADDITIONAL EXPERIENCE

| | |
|-------------------------------------------------------------------------------------------------|---------------------------------|
| North Toronto Baseball Association | Toronto, ON |
| <i>Umpire Captain</i> | <i>September 2018 – Present</i> |
| <i>Umpire</i> | <i>May 2014 – Present</i> |
| - Responsible for scheduling games and communicating with over 300 umpires for scheduling | |
| - Mentored younger umpires to help them develop their skills | |
| - Taught players and coaches how to be respectful and sportsmanlike while remaining competitive | |
| - Demonstrated ability to enforce rules and regulations, when required | |

SKILLS

Technical Skills: Java (four years' experience), C (two years' experience), Python (one years' experience), HTML and CSS (experience in coursework), MATLAB(experience in coursework), Microsoft Suite (Word, Excel, PowerPoint)

Additional Skills: Communication, Adaptability, Leadership, Organization, Positivity, Motivated and Passionate

Nathanael Yao

Nathanael.yao123@gmail.com ♦ (647) 832-8496 ♦ Markham, ON
<https://www.linkedin.com/in/nathanael-yao-45a7521a4/> ♦ <https://github.com/nathanaelyao>

EDUCATION

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| Queen's University <i>Bachelor of computing, Honors, Specialization in Software Design</i> | May 2023 Kingston, ON |
| ▪ Cumulative GPA: 3.950, Queen's Excellence Scholarship, Dean's List 2020, Winner of Health and Education category at Hackher, Participant in Qhacks, Chess Club, Algorithmic Trading Team. | |
| Smith School of Business at Queen's University <i>Certificate in Business</i> | May 2023 Kingston, ON |
| | |
| Pierre Elliot Trudeau H.S <i>High School Diploma</i> | June 2019 Markham, ON |
| ▪ 93% top 6 average, French immersion program, Varsity soccer team. | |

EXPERIENCE

| | |
|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| Betalab <i>Android Developer</i> | Oct. 2020 – Present Kingston, ON |
| ▪ Collaborating with a group of developers to make a cardiologist app that tracks a patient's health condition. | |
| ▪ Used Android Studio and Java to develop the frontend as well as Firebase storage to access pdfs and pictures. | |
| ▪ Used Postman, REST API and Retrofit to implement connection to backend code. | |
| Queen's Web Development <i>Education Director</i> | Sept. 2020 – Present Kingston, ON |
| ▪ Taught tutorials on HTML, CSS and JavaScript fundamentals. | |
| ▪ Hosted office hours to help developers with designing their websites. | |
| Visaplace <i>Design team member</i> | Sept. 2020 – Present Kingston, ON |
| ▪ Collaborating with a group of developers to make an immigration assessment chatbot using Botpress and Gandalf frameworks. | |
| Health Hangouts <i>Full stack Web Developer</i> | Aug. 2020 – Present Kingston, ON |
| ▪ Collaborating with other developers to build a website to help seniors connect during the Covid-19 pandemic. | |
| ▪ Implemented signup and login features using Django and python. | |
| ▪ Designed signup and login pages using HTML and CSS. | |

PROJECTS

Color Memory – Android Application (<https://play.google.com/store/apps/details?id=com.nathanaelyao123.memoryblocks>)

- Self-taught and built an android memory test game within three days using Android Studio and Java.

SKILLS

Skills: Java – Python - JavaScript – HTML – CSS – C - Django – NodeJS - GitHub - Bash – System level programming - JavaFx – XML - Object Oriented Programming - Android development – Web Development – Linux – Rest API's - Postman
Languages: English – French – Mandarin

INVOLVEMENT

Cystic Fibrosis Fundraiser: Organized a fundraising volleyball tournament with 2 classmates, sold raffle tickets, designed and sold t-shirts and raised over 1400 dollars.

Lifeguard / Swim Instructor: Actively collaborated with a team of lifeguards to monitor and ensure the safety of swimmers. Instructed and led swimming classes from preschool to swimmer 6, demonstrating leadership ability.

NAYANA MENON

 nayana.menon@queensu.ca
 905-484-5481
 2949 Westoak Trails Blvd.
Oakville, ON L6M4V3

SKILLS

Teamwork and group dynamics
Strong independent work ethic
Project planning
Highly proficient in Matlab, C and Python

EDUCATION

BACHELOR OF APPLIED SCIENCE / ELECTRICAL ENGINEERING

Queen's University,
Kingston ON

2018-Present

RELEVANT COURSEWORK

ELEC 474 – Machine Vision

ELEC 408 – Biomedical Signal and Image Processing

ELEC 278 – Fundamentals of Information Structures in C

APSC 100/200 – Engineering Design and Practice: Designed several solutions to engineering problems with a team

RESUME OBJECTIVE

Electrical engineering student seeking opportunity to utilize technical, professional and interpersonal skills in an innovative setting to create positive change in research.

PROFESSIONAL EXPERIENCE

IMAGING RESEARCH CENTER INTERN

St Joseph's Healthcare Hamilton / March 2019 – Present

- Developed a wavelet transform algorithm using Matlab to reduce noise in raw MRI data from xenon-polarized lung scans used in clinical trial
- Worked in a lab with a team of scientific professionals to develop project timelines and metrics
- Published an abstract on the wavelet transform algorithm and image processing that was accepted and presented at the conference for the International Society for Magnetic Resonance in Medicine in April 2020
- Adapting existing Matlab segmentation algorithm for new data types to determine efficiency of lung ventilation scans

ENLINKS WORKSHOPS AND RESOURCES MANAGER

Englinks at the Engineering Society of Queen's University / May 2020 – Present

- Designed and produced resource documents to expand and update first year portfolio and support incoming engineering students in their academic careers at Queen's
- Developed training documentation for and managed a team of over 40 tutors to schedule workshops, tutorials and meetings
- Facilitated preparatory workshops for first year engineering evaluations and coordinated events for the Faculty of Engineering and Applied Science
- Collaborated with management team to manage timelines, marketing materials and implement business strategies

QUEENS MACHINE INTELLIGENCE AND NEUROEVOLUTION DESIGN TEAM MEMBER

Queen's University / September 2018- Present

- Developed a neural network using Python's Keras framework that classified severity of diabetic retinopathy in a set of over 10000 retina scans with an accuracy of 93% in 2018-2019
- Worked with a team during weekly sessions to develop a timeline and deliver a program and project prototype within three months
- Presented project at Canadian Undergraduate Conference on Artificial Intelligence
- Currently developing a model to develop a hospital shift schedule based on input rules for a client to aid in hospital scheduling

QUEENS BIOMEDICAL INNOVATION TEAM MEMBER

Queen's University / September 2018- September 2019

- Designed and developed packaging prototypes for fast-healing hydrogel project to retain healing properties effectively
- Coordinated with university and industry researchers to iterate and optimize packaging design
- Conducted laboratory experimentation and testing to develop the formula for the hydrogel healing strip

PUBLICATIONS

Norman B Konyer*, Nayana Menon*, Paul Polak, Parameswaran Nair, Michael D Noseworthy, Sarah Svenningsen. Discrete Wavelet Transform (DWT) Denoising of Hyperpolarized ^{129}Xe MR Images. International Society for Magnetic Resonance in Medicine 2020 Submitted November 6, 2019 (*indicates first authorship)

Nicholas Calen

3B Mechatronics Engineering | ncalen@uwaterloo.ca | [GitHub.com/Nic-Calen](#) | [linkedin.com/in/nicholas-calen](#)

Education

Candidate for Bachelor of Applied Science, Honors Mechatronics Engineering, Artificial Intelligence Option

University of Waterloo, Exp. Graduation: April 2022

Summary of Skills

Software Development: Python (5+ years), R (2 years), C, C++ (2+ years), MATLAB, SQL, Git, Poetry, Confluence, GCP, Azure

Courses: Data Structures & Algorithms, Statistics, Calculus, Numerical Methods, Linear Algebra, Signals & Systems, Fast.ai

Work Experience

Machine Learning Researcher | ML Enhanced SerDes Systems

Huawei

September – December 2020

Remote, Canada

- Improved upon algorithms for continuous adaptation of SerDes systems in wireline applications using a ML solution (PyTorch)
- Integrated ML solution with existing firmware (C & Python) and developed novel metrics for tracking the model's performance

Data Scientist in Industry Solutions | Production Optimization

Cognite AS

January – April 2020

Oslo, Norway

- Reduced oil well monitoring costs by over USD \$10k per well per year through the replacement of multiphase virtual flow meter (MPFM) software with a physics guided ML solution (LSTM, Random Forest) that subsequently reduces the time spent training and deploying a model to an oil well by more than 90%
- Solved a large scale industrial time series labelling problem with the implementation of an online steady-state detection tool represented by a piecewise regression model that can be fit to any given time series through particle filtering techniques ([Code](#))
- Streamlined the team's solution deliveries by creating an internal Python library consisting of data quality monitoring tools, anomaly detection algorithms (PyTorch) and data processing pipelines (Databricks) for high volume industrial time series data

Data Scientist Intern | Financial Services

Cerebri AI

April – August 2019

Toronto, Canada

- Implemented an end-to-end pipeline within an object-oriented framework in Python for quick iteration, and evaluation of propensity to buy and time to purchase ML models (PyTorch) for financial services products
- Increased accuracy and reduced training time of Neural Network models through the introduction of embedding layers, and designed experiments to evaluate CNNs (Keras) as feature engineering tools on structured data

Data Scientist Intern | Econometrics

Cerebri AI

September – December 2018

Toronto, Canada

- Led model development, defined research direction, and conceptualized the product to be delivered to a central bank client
- Implemented Bayesian Structural Time Series (BSTS), XgBoost, and DNN models for multivariate economic forecasting

Research and Development Intern | Network Technologies

ISED Canada: Communications Research Centre

January – April 2018

Ottawa, Canada

- Designed tools and simulation platforms for enhanced analytic and stochastic IoT process modeling in C++
- Modeled IoT device interactions and their signal arrival rates through a spectrum sharing simulation platform in R ([Link](#))

Publications

- Gunnar Staff, Gustavo Zarruk, Johan Hatleskog, Simon Stavland, Henry McNulty, Roberto Ibarra, **Nicholas Calen** et al. “Physics Guided Machine Learning Significantly Improves Outcomes for Data-Based Production Optimization.” In Abu Dhabi International Petroleum Exhibition & Conference. Society of Petroleum Engineers, 2020, ([Link](#)).
- Nicholas Calen, “InSo Insights: Implementation of a Robust Steady State Detector for Industrial Time Series Data,” Cognite, Medium, April, 2020, ([Link](#)).

Project Experience

Identifying Pneumothorax Disease in Chest X-Rays ([Link](#))

September 2019

Hierarchical Bayesian Modeling - Premier League Predictions: 2018/2019 Season ([Link](#))

January 2019

Nicolas Wills

17nvw@queensu.ca | +1 (647) 328-5252

EDUCATION

Applied Mathematics and Computer Engineering Queen's University, Kingston, ON Class of 2022

- Cumulative GPA: 3.63 (Dean's List)

PROFESSIONAL EXPERIENCE

Data Scientist, Moneris Solutions, Toronto, ON Summer 2020

- Completed 16-week internship developing and implementing mathematical and AI predictive models
- Project 1: Created merchant fraudulence prediction algorithm using K-means unsupervised machine learning technique
 - Developed algorithm in Python that uses merchant KPI's to detect fraudulent merchants with 86% accuracy, which was handed off to Senior Data Scientist for algorithm optimization
- Project 2: Quantitatively Diagnosed customer call satisfaction by creating natural language processing AI software
 - Developed AI Algorithm in Python that converts customer calls to text and applies natural language processing techniques to gauge customer satisfaction.
 - Moneris Solutions HR team adjusted call services because of project findings

Teaching Assistant, Queen's University, Kingston, ON 2020 - Present

- Facilitated the instruction of APSC-171, Calculus I, with Dr. Geoffrey Pond
- Provided coaching and written feedback to more than 80 students over a three-month period

EXTRACURRICULAR EXPERIENCE

Consultant, CREO Solutions, Kingston, ON 2020 - Present

- Developed marketing strategy for international aircraft rotatable parts supplier, which included recommendations and specific analysis on customer targeting, lead generation, and sales tactics
- Developed methods to the client for measuring their marketing campaign success, setting key performance metrics and recommending attribution measurement tools

Team Lead, QUANTT Finance, Kingston, ON 2019 - Present

- Developed and implemented QUANTT's quantitative trading algorithm that automates trades in the equities market

Machine Learning Engineer, QMind, Kingston, ON 2019 - Present

- Won *Best Project* award within QMind, awarded to the top 3 projects as voted by panel
- Developed Artificial Intelligence software product that converts user-inputted sign language into text

ADDITIONAL INFORMATION

- Languages: fluently bilingual (English & French)
 - Athletics: Played competitively in GTA, and assistant coach of numerous younger teams
 - Volunteer missions to Kenya: Helped build elementary schools and assist at medical clinic
 - Musician: Excel and enjoy playing electric and acoustic guitar, as well as trumpet and violin
-

NOLAN HOLMES

17nrh1@queensu.ca | 613-261-0509 | <https://ca.linkedin.com/in/nolan-holmes-920b5517a>

EDUCATION

Bachelor of Commerce, Smith School of Business, Queen's University, Kingston, ON 2018 – Present

- Entrance scholarship for academic excellence in grade 12 of high school
- Dean's List for obtaining a cumulative GPA of 4.1 (max 4.3) throughout 2 full years of studies
- Certificate in Social Impact (Candidate)

Ontario Secondary School Diploma, Osgoode Township High School, Metcalfe, Ontario 2014 – 2018

- Ontario Academic Scholar through all 4 years
- Recipient of 3 awards for academic excellence, including 1 for exceptional quantitative skills (June 2018)

PROFESSIONAL EXPERIENCE

Warehouse Worker, LCBO Distribution Centre, Ottawa, ON 2020

- Executed picking, assembling, and palletizing of store orders while operating material handling equipment in a safe and efficient manner
- Initiated collaborative tasks and provided feedback, throughout the duration of work term, to expedite development of new employees' organization and time management skills
- Exceeded quota expectations while fulfilling quality requirements of palletized store orders on a consistent basis

Horticulture Maintenance Helper, City of Ottawa Parks Sector, Ottawa, ON 2019

- Interacted with many citizens to ensure parks and sports facilities were kept in exceptional condition, and proceeded to address problems immediately
- Coordinated and corresponded with over 100 laborers and machine operators and expedited flood relief efforts by assisting with sandbag removal over a period of 3 days
- Initiated efficient completion of tasks and received praise from supervisors when office was short-staffed for multi-week period

EXTRACURRICULAR EXPERIENCE

Delegate at Ivey Sports Leadership Conference, Western University, London, ON 2019 & 2020

- Collaborated with a team of 4 members to present an analysis of topics in both sports management and leadership to a group of industry professionals
- Generated insight from panelists on leading through influence, strategic decision-making, and the importance of diversity in sports and business

Athletic Council President, Osgoode Township Highschool, Metcalfe, ON 2017 – 2018

- Led a group of 8 peers, and instituted team brainstorming to implement a series of athletic events, and activities open to all 600 students, in effort to increase student involvement and physical health
- Collaborated on creation and development of a charity walk where 300 students participated, and performed opening speech to 400 members of school and community, outlining objective of the initiative
- Generated and put into action idea of interscholastic intramural sports, including 8 teams, and oversaw functionality of league, over span of two months

ADDITIONAL INFORMATION

- Started a volunteer position, working as a research and design student, with Bootcamps for Change (2021)
- Certificate of completion of Excel: PivotTables in Depth from LinkedIn Learning and approved by the NASBA (2020)
- Finalist in case competition at Western University, where a presentation to 150 delegates was required (2019)
- Ability to communicate strongly in English, with intermediate degree of proficiency in French (DELF B2 Certificate)
- Above-average awareness and ability to plan for multicultural interactions (CQ Strategy)
- Member of the Queen's Power and Olympic Weightlifting (QPOW) Club (2020-Present)
- Intermediate proficiency in conflict management gained through an employment relations (EMPR) Course (2020)

Nolan James

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Nolan.p.james@gmail.com



OBJECTIVE

Motivated professional with a proven record of generating and building relationships, managing projects, constructing and operating executive portfolios. A passionate leader with exceptional communication skills, intuition and collaboration skills.



EDUCATION

**BSc – Major Data Science,
Minor Economics**
Western University
SEPT. 2018 – DEC. 2022

Canadian Securities Course
Canadian Securities Institute
ANTICIPATED Feb. 2021



ASK ME ABOUT

Western AI | Vice President Outreach + Project Manager – Managed project team creating a Twitter API sentiment analysis on the S&P 500. Unrolled WAI outreach portfolio including strategic partnerships, alumni networks & recruitment efforts.

HubSpot Academy | CRM Training Certificates - Sales Software, Social Media Marketing, Frictionless Sales, Email Marketing.

Philanthropy | Generosity, Special Olympics, Green Committee - Participated in multiple tree planting and shelter events. Coached special needs basketball players. Acted as VP of Sponsorship for Generosity, securing sponsors for charity events.

Athletics | Varsity Basketball, Football, Lacrosse, Club Basketball & AAA Hockey – Captain of varsity basketball team Jr. & Sr. Year, Top 10 varsity lacrosse team in Ontario. 4 years of Oakville Venom club basketball AAA, Team Canada U18 tryout, 8 Years AAA hockey – Oakville Rangers, Mississauga Sens, Vaughan Kings.



EXPERIENCE

Associate | Westbridge Capital
SEPT. 2019 – PRESENT

- Contact institutional and private clients via email and cold call to schedule meetings with wholesalers.
- Maintain and operate CRM database
- Develop email marketing strategy.
- Research firms for originations, identify companies that meet LBO requirements

Client Service Intern | CI Financial
JUNE 2020 – AUG. 2020

- CI Financial sales lead validation project. Aided in validating over 6,000 prospect financial advisors via cold call and data scrapping.
- Segmented leads through CI Investments CRM database.
- Removed lead duplications in CRM system through personally developed strategy
- Developed validation and outreach strategy for 1,890 Primerica Representatives.
- Organized and directed remote summer games for full-time employees to participate in during Covid-19 pandemic

Sales Operations Intern | CI Investments
MAY 2019 – AUG. 2019

- Analyzed and corrected deficiencies in sales operations.
- Updated 1000+ Edward Jones and Sun Life advisor profiles on Salesforce to segment sales efforts.
- Inputted 300+ “Know Your Advisor” entries into Salesforce, to offer a more personalized client experience.
- Managed the CI homepage “Connect” email inbox for inbound sales inquiries, efficiently directing external request.
- Sat in on numerous sales meetings and call shadowing's to develop sales practice skills.
- Curated a reference sheet for inside wholesalers to use for Liquid Alts sales, including sound bites, competitor funds and market outlook.

Oleksiy Kovtoneyuk

Arent Janszoon Ernststraat 172, 1082 LT Amsterdam, okovtoneyk1@gmail.com, +380502861425

Objective

Hello, my name is Oleksiy Kovtoneyuk. Since early childhood I was surrounded by family members who had dedicated their life and careers to mathematics, engineering and programming and now, I see an opportunity to advance my knowledge of ever-growing AI segment of CS. Previously I've taken all the offered in UWO CS courses such as cs1026/27, cs 2208/09/10/11/12/14, and currently taking cs 3305/07/31/57 and 3346, which is Wester AI course. Moreover, I've had previous experience with ML during my summer job as member of software project. I'm interested in getting new knowledge and discovering new opportunities.

Experience

Sep 30, 2017 – May 30, 2018

School Administration | Student Vice President | KNSL No 145

During my last year in Ukrainian High School applied to a position of school president and after election took 2nd place and was nominated for Vice-President position in school. Organized prom for graduating classes and helped with works for next year 1st September celebration. Took part in creating school programming and photography clubs.

June 20, 2018 – August 30, 2018

Arduino Project| Co-creator/Programmer

A project was created by me and 2 of my school friends to explore possibilities of Arduino platform. We created an 4x4x4 LED cube using diodes and programmed several patters (rain, snake, etc) using C++ language and working remotely trough Git Hub.

Sep 5, 2019 – Now

Game project | Lead designer/Developer

With a friend created concept of a 2d pixel game with emphasis on working in Unreal Engine. Outlined LOR of the game as well as main characters and key plot points. Designed several NPC patterns using integrated UE 4 Blueprints Visual Scripting. Currently looking for artists as no progress could be made without actual models.

May 25, 2020 – Jul 30, 2020

Face recognition and video stabilization | Junior Dev.

During quarantine was offered by a family member to work in his IT company. Was given part of a project to receive information from user's smartphone app (video source) and process data using OpenCV libraries via C/C++ programming language. Face recognition involved knowledge from both OpenCV and MATLAB + learning process using Python to which I was familiar after 2 years of mine UWO CS degree, however, was facing struggles and was ultimately not able to accomplish tasks to a 100% and used assistance from PM. Afterward decided to take a Stanford AI course presented by Coursera.

Olivia Borel



: (647) 784 2821



: oliviaborel@gmail.com



: linkedin.com/in/olivia-borel/

Education

Honours BSc in Computer Science
Minor in Management
3rd year student

University of Ottawa, ON
Sept. 2018 - Dec. 2022

Languages

Python • Java • SQL • C++ •
Javascript • HTML & CSS • VBA •
OCaml • Go • Scheme • Prolog

Familiar Tools

Git • PostgreSQL • Selenium •
Eclipse • Atom • Jira • Jenkins •
Quartus • Android Studio •
Microsoft 365 • Google Drive

Scholarships

Merit Scholarships | 2020
Scholarship for Women in
Computer Science and Software
Engineering | 2020
Entrance Scholarship | 2018

Community

Technovation Mentor
Technovation Ottawa | 2020, 2021
Guided groups of girls through the
process of developing a mobile app
and creating a business plan.

Work Experience

Test Automation Software Developer (Internship)

Field Effect Software | Jan. - Apr. 2021 | Remote

Python Selenium Jira Jenkins BitBucket

- Created test cases, developed automated tests, and identified errors in order to ensure the quality of the web product.
- Initiated a QA Handbook to document coding conventions to improve the readability and maintainability of tests.
- Worked with an agile team that used the Kanban framework and held daily morning standups, weekly backlog meetings, and retrospectives.

Teaching Assistant (SEG2105 - Intro. to Soft. Eng.)

University of Ottawa | Sept. - Dec. 2020 | Remote

Java XML Android Studio Firebase SQLite

- Taught 100+ second year students Android Studio, UML Diagrams, and database fundamentals through Lab sessions and Tutorials.
- Demonstrated responsibility and time-management by successfully balancing the role with a full-time course load.

Case Processing Agent (Internship)

Immigration, Refugee, and Citizenship Canada | May - Aug. 2020 | Remote

SQL VBA Excel

- Led the initialization and development of a new project that used Visual Basics (VBA) and SQL to incorporate all tasks carried out by the Training Team into one tool in order to save data in a manageable way and create an efficient work environment.
- Implemented new features and fixed bugs in pre-existing tools.

Computing Projects

Programming

- Implemented a queue-based algorithm for a **Java** game of Lights Out that utilized arrays to store and manipulate information through **GUI**.

App Development

- Worked in a team of four to develop an app using **Android Studio** and **Firebase** that allowed 3 types of users to have different functionality for a Walk-In Clinic mobile app.

Web Development

- Designed an Airbnb-type website with a partner using **PHP** to connect it to a **Postgres** database where users could host properties or book reservations.
- Joined **Javascript** with **HTML** to create an interactive storyline game with text boxes, radio buttons, and other forms.

Design & Fabrication

- PCB Design & Soldering
- SolidWorks, KiCad
- Arduino, Raspberry Pi
- Oscilloscope, DMM

Languages & Tools

- C++, C
- Linux OS, MacOS
- Git, Bash

Relevant Courses

- Microprocessor Systems & Interfacing
- Computer Structures & Real-Time Systems
- Sensors & Instrumentation
- Algorithms & Data Structures

Extracurriculars

- Languages: French, ASL
- Interests: ML, AI, IoT, Automation, Biomimicry
- Music: Guitalele, Violin
- Academic Class Rep

Education

University of Waterloo, ON
2023 | Candidate for BASc
Mechatronics Engineering

Experience

Automation (Firmware & IoT) Mechatronics Co-op | Sep – Dec 2020

Sheertex (Startup) – Montréal, QC

- Iteratively designed and revised a **PCB** in **KiCad** to enable readings from up to 4 non-invasive current sensors and an ADC via **I2C**, ensuring compatibility with existing hardware
- Performed **SMD**, through-hole and wire soldering and de-soldering for PCB assemblies
- Read and transferred data from a servo motor using **ISRs** and **MQTT** protocols in **C++**
- Achieved an accuracy of **±0.5cm** while improving time and ease of measurements and ensured a convenient means for the sensor to be **calibrated** externally by the user
- Utilized external libraries to develop code on an **ESP32** to read, interpret and display raw data from a current sensor to monitor power consumption in the factory and save costs
- Coordinated with stakeholders, Software & Production teams to deploy bots in the factory

Head Delegate Ambassador – CUCAI (Canadian Undergrad Conference on AI) ft. GE Hinton

The Westin Harbour Castle – Toronto, ON

- Created a simple **ChatBot** on **IBM Watson AI** using conversation trees, entities and skills

Director of Re-Engineering – Ontario Engineering Competition (OEC) | Nov 2020 – Jan 2021

- Co-created a relevant competition challenge and efficiently ran and managed our event
- Displayed exemplary **communication** skills while working in a high-pressure environment

Electrical & IoT Co-op | Jan – April 2020

Top Hat Robotics (Startup) – Kitchener, ON

- Programmed scripts in **Python** to obtain sensor data and format it in a .csv file in real time
- Praised for **outstanding teamwork** and problem solving with limited day-to-day direction

Projects

Hardware & Firmware Team Member – University of Waterloo Robotics | Apr 2020 – present

- Programmed a servo control library using PWM and threads in **C++** for an **STM32** MCU
- Gained exposure to **ARM GCC & Make** toolchains and **CAN** protocol with **MBED**

'MoodyMini' Smart Mental Health Bot – BrickHack 6 Hackathon – ★ Best Community Impact

Rochester Institute of Technology – Rochester, NY

- Implemented training phrases for the **Machine Learning** model on the Google Home Mini

Awards & Honours

Rittal Advancing Women in Tech' Scholarship | Sep 2020 | EFC & Rittal Systems

- Awarded for competitive grades and demonstrated community **leadership** and involvement

Parker Rowe

Robotics and Computer Vision enthusiast seeking 12–16-month position

✉️ parker.rowe@queensu.ca

📞 289–688–8400

🌐 prowe.ca

🔗 github.com/parkuman

Education

BASc - Computer Engineering, Innovation @ Queen's University
2018 – 2022 // Kingston, ON

- Enrolled in a 60-person specialized stream partnered with the Smith School of Business focused on entrepreneurship and business innovation
- Relevant Coursework: Algorithms, Operating Systems, Machine Vision, Data Structures, Object Oriented Programming, Computer Architecture, Linear Algebra

Technical Experience

Vice Captain @ Queen's RoboMasters Design Team

May 2020 – Present // Kingston, ON

- Lead the operations of a 50+ member campus design team to build 6 robots to compete in the 2021 DJI International Robomaster competition in Shenzhen, China
- Manage team budget and partnership outreach for the team's financial security

AI & Machine Vision Team Manager

May 2019 – May 2020

- Successfully trained and deployed a custom object detection model using Tensorflow, SSD MobileNetV2, Python & OpenCV to detect enemy robot armor
- Planned and lead weekly team workshops for 20+ members, working toward the implementation of our plate detection model on a Nvidia Jetson Nano mounted on the robots
- Set team on a path to using Machine Vision and AI in our robots for the first time

Software Developer Intern @ Distributed Compute Labs

Summer 2020 // Kingston, ON

- Architected & implemented a solution for initialization of different compute worker environments in Node & vanilla web JavaScript. Now in production on a network of thousands of different computers with heterogenous compute capability
- Took initiative to solidify & improve the onboarding UX for the start-up's 50+ beta developers joining the platform through the First Devs program
- Wrote unit & end-to-end test scripts in Node to validate user Ethereum wallets and the compute API, now in company's Gitlab CI

Web Developer @ Canadian Undergraduate Conference on AI

May 2020 – Present // Kingston, ON

- Redesigned and developed the cuai.ca website from the ground up using React and Gatsby
- Created branding guidelines, marketing material, and design plans using Figma to advertise North America's largest undergraduate AI conference

Custom PC Builder @ Freelance

2013 – Present // Whitby, ON

- Successfully parted and built 10+ gaming and work desktop PCs for friends, family, and external clients
- Perform benchmarks and testing for new/overclocked components

Projects

Hackintosh – MacOS on a Huawei Fall 2020

Swapped out internal SSD to dual boot MacOS and Windows 10 on my Matebook X Pro laptop. Modified MacOS kernel extensions, EFI bootloaders/partitions, drivers, and BIOS options.

prowe.ca – Personal Site

Summer 2020
Built using React, Gatsby, and hosted on Netlify. My very own website for posting about things I have been working on.

AlarMe – ‘Smart’ Alarm Clock

May 2020
A specialized Wi-Fi Arduino alarm clock that beeps, vibrates, and can only be snoozed by getting out of bed and tapping an NFC tag placed elsewhere in your home. Companion app for setting and snoozing alarms made using Flutter for Android and iOS.

Skills

Programming Languages

JavaScript (ES6), C, Python, Java, Flutter, HTML, CSS

Libraries & Frameworks

React, Gatsby, Node.js, OpenCV, TensorFlow

Tools & Platforms

Git, JIRA, Arduino, NVIDIA Jetson, Ubuntu, Windows, MacOS, Bash, Netlify, Figma

Other

Self-learning, Agile Development, Report Writing, Initiative, Leadership, UX Design, Teamwork, Communication

Interests

Camping, Running, Cooking, Guitar, Learning, Gaming, & Travel (✈)

PETER YOUNGSON

peter.youngson@queensu.ca | 647-969-4156 | 3 Coldstream Ave, Toronto, ON, Canada | Postal Code: M5N1X5

PROFESSIONAL STATEMENT

I am a highly motivated 3rd year commerce student at the Smith School of Business. My passion for investing and entrepreneurship has led me to pursue career within the investment banking and wealth management space. My skill for quantitative analysis along with strong interpersonal skills make me a strong candidate for any business requiring a worker to make impactful changes supported by data-driven insights.

EDUCATION

Bachelor of Commerce, Smith School of Business, Queen's University, Kingston, ON 2018 - Present

- Recipient of Queen's Excellence Scholarship, University of Toronto Dependents Scholarship and D.I. McLeod Dean's List Scholarship

Ontario Secondary School Diploma, Crescent School, Toronto, Ontario 2008 - 2018

- 90%+ cumulative average honor roll student

PROFESSIONAL EXPERIENCE

Research Associate Summer Intern, Hotspex Media, Toronto, ON 2019 - 2020

- Worked in the research department for the #1 voted most innovative insights firm in North America
- Contributed to various market research and brand consulting projects for companies such as Under-Armor, RBC, P&G and KDP
- Learned to work effectively in a team-based environment and derive actionable insights from consumer data files

Team Lead, InQUBate, Kingston, ON 2020 - Present

- Accepted into a cohort of Canada's first student-run AI start-up incubator
- Working to create an artificial intelligence-based solution for use in the B2B and B2C SaaS space
- Preparing to pitch our venture at the Canadian Conference on Artificial Intelligence in Toronto where winning business will receive funding to support their venture for the future

Senior Marketing Coordinator, QMIND – Queen's University Artificial Intelligence Hub, Kingston, ON 2020 - Present

- Working in the marketing department of the largest undergraduate AI and machine learning club in Canada
- Promoted from Events Marketing Coordinator Position held in first year to a Senior Marketing position
- Helping to increase brand awareness to attract corporate sponsors and top tier talent through a multi-media marketing strategy

EXTRACURRICULAR EXPERIENCE

Founder, Greenplate Sustainability Initiative, Toronto, ON, 2018

- Reduced and advocated against improper waste management practices at various schools locally, and world-wide
- Replaced single-use plastic spoons at Crescent School for compostable wooden utensils in effort to mitigate large carbon footprint
- Leveraged how to change people's environmental perspectives and advocate to a large body of individuals

Athletics Prefect, Crescent School, Toronto, Ontario, ON 2018

- Organized and promoted major sporting events throughout year with an estimated 1500+ spectators' in total attendance
- Lead group of peers known as athletics council, where I assigned jobs to various students to help engineer these complex events
- Learned how to coordinate large scale events and to delegate responsibilities as a leader

Arts and Crafts Volunteer, Willow Park Public School Toronto, ON, 2017 - 2018

- Prepared arts and craft activities for underfunded arts program of Willow Park Public School
- Created an opportunity for children of Willow Park Public School to express themselves artistically, something otherwise unavailable
- Learned how to consolidate and execute plans as well as facilitate a positive learning atmosphere

ADDITIONAL INFORMATION

• Delegate at the Canadian Undergraduate Conference for Artificial Intelligence 2020

• Devoted soccer player with 10+ years of experience, 2 years playing at a varsity division 1 level 2008 - Present

• Winner of Rugbyfest Championship in Rothesay, New Brunswick, playing at a varsity division 1 level 2018

• Scuba Diver, raised 700\$ in fundraising initiative for reef.org organization after traveling to Belize to study marine biology 2017

Phoebe Chen

878 Skyline Drive, Daly City, CA 94015 | 925.278.0408 | yphoebechen@gmail.com

EDUCATION

Harvey Mudd College

Bachelor of Science in Computer Science

Claremont, CA

Expected May 2022

GPA: 3.828/4.0

• Relevant Coursework: Data Structures/Program Development; Computability and Logic; Machine Learning for Engineers; Discrete Mathematics; Introductory Computational Biology; Vector Calculus; Linear Algebra II, Differential Equations II

• Ongoing Coursework: Algorithms; Software Development; Computer Systems; Computational Photography II

• Programming: Python, Java, C++, Racket (Intermediate); HTML, CSS, JS (Beginner); familiar with Node.js, Datastore/SQL, Angular

PROJECT EXPERIENCE

Spotify Recommender, Google Software Product Sprint

Taipei, Taiwan

SPS Participant

Jul 2020 – Aug 2020

- Collaborated with a team of 4 to design and implement a web application using Node.js, JavaScript, and CSS over the course of 10 weeks and leveraging Spotify API and various Google Cloud Platform APIs, including App Engine and Datastore
- Utilized industry best practices such as contributing to open-source software via Git and GitHub, conducted 2 code reviews, and participated in distributed development
- Designed a sidebar component and music player interface for Spotify recommender web app with team members and lead them to completion
- Built UI for 6 pages of web app and initiated the implementation a pseudo-machine learning model utilizing Spotify API's recommender

P-recruit Project, P-ai

Claremont, CA

Project Member

Sep 2020 – Dec 2020

- Created prototype of resume anonymization with 2 members by modifying of NER and question answering from BERT library
- Compiled and reviewed 10 research articles on hiring bias, resume parsing frameworks, and metrics for detecting algorithmic bias
- Assisted in designing overall resume parsing algorithm and setting next steps in skill extraction and algorithm evaluation for future members

WORK EXPERIENCE

CSTeachingTips, Harvey Mudd College

Claremont, CA

Undergraduate Researcher

May 2020 – Jul 2020

- Led a team of 4 student researchers in reviewing existing literature on diversity training and effective learning strategies for paper evaluating CS teaching practices game; paper accepted by and will be presented in SIGCSE 2021 conference
- Developed outline and participated in writing literature review and limitations in paper
- Spearheaded development of evaluation criteria for cleaning up information on CSTeachingTips.org, reduced database by 20%
- Reviewed a new online programming book created for AP Computer Science teachers and edited ~15 sample problems for clarity

Sagerize.com

Flushing, NY

Information Technology Intern

Jul 2019 – Aug 2019

- Created design for navigation bar with HTML, CSS, and JavaScript for company website
- Automated recurring calculations for student grade reports in Excel, decreased time required by 50%
- Compiled and validated multiple datasets, discovered and corrected over 60 erroneous entries and streamlined future data entry process

TangoMe, Inc.

Mountain View, CA

Product Development Intern

Jan 2017 – Jun 2018

- Brainstormed ideas for new, engaging in-call games tailored for teens; led to the implementation of two new in-call games
- Collaborated with product and engineers to suggest new features and modifications for unreleased VR app using Jira
- Conducted 10 interviews with teenage students to gauge the popularity and feasibility of new features

Energy & Nanomaterials Lab, Harvey Mudd College

Claremont, CA

Undergraduate Researcher

Jan 2020 – May 2020

- Led a team of 4 student researchers in material research, identified 3 polymers for novel graphene nanocomposites testing
- Programmed injection mold design for CNC Milling with another team member
- Assisted initial SolidWorks drawing of the mold, later identified and corrected problems in initial drawing
- Led writing end of semester research report on procedures and findings, set possible goals for future undergraduate researchers

The Learning Programs, Harvey Mudd College

Claremont, CA

Student Grader/Tutor

Aug 2020 – Present

- Mentor and tutor computer science students on 2nd semester computer science course homework and exam preparation
- Manage a team of 3 graders/tutors, troubleshoot and coordinate zoom tutor sessions and breakout rooms for over 12 students weekly

Upward Bound

Claremont, CA

Student Tutor

Sep 2018 – May 2020

- Tutored 7 first-gen high school students from San Gabriel Valley in math, chemistry, and history weekly
- Monitored and taught essay writing process and improved students' English and Mathematics grades by one letter grade

SKILLS

Software/Technical: Adobe Photoshop, Illustrator (Intermediate); AutoCAD, SOLIDWORKS (Beginner); familiar with MATLAB, R

Languages: Cantonese (Fluent), Mandarin (Proficient), Spanish (Conversational)

PRIANKA HOQUE

Honours Arts & Business • University of Waterloo • 3rd Year Student

 prianka.hoque@gmail.com

 519-722-4095

 Waterloo, ON

 [Linkedin.com/in/prianka-hoque](https://www.linkedin.com/in/prianka-hoque)

SKILLS

Leadership Communication Critical Thinking Teamwork Problem-Solving Organization Time Management

SUMMARY

- Exceptional research and analysis skills gained from interpreting social media analytics and market trends.
- Comprehensive leadership and organizational skills gained from President and Executive roles in clubs.
- Strong problem solving and critical thinking skills established through dynamic, fast-paced work environments.
- Outstanding teamwork and communication skills developed from 5+ years in retail and volunteer positions.
- Experienced in preparing professional reports and delivering presentations to audiences of 100+ people.
- Advanced proficiency in Microsoft Office applications: Excel, Word, PowerPoint, Teams and Outlook.

EXPERIENCE

Business Development Coordinator – Royal Canadian Air Force Innovation Lab **Sep 2020 – Dec 2020**

- Identified new opportunities and implemented innovative strategies to improve business processes for the lab.
- Led 5+ new projects by defining scope, budget and timeline and managing a team of three software developers.
- Conducted customer discovery interviews and user testing to understand product requirements and pain points.
- Developed product documentation and oversaw feedback to ensure digital solutions met technical requirements.

Vice President of Marketing – Arts and Business Society, University of Waterloo **Dec 2020 – Present**

- Prepare action plans and status reports for ongoing marketing projects to track tasks against milestones weekly.
- Organize brainstorming sessions to define society objectives, facilitate active participation and set monthly goals.
- Monitor key metrics and social media trends to improve student engagement on all social media platforms.
- Publish weekly social media content to recruit members, capture student interest and optimize event turnouts.

Alumni Relations & Events Coordinator – University of Waterloo **Jan 2020 – Apr 2020**

- Examined alumni portfolios thoroughly to identify key donors and make recommendations for alumni prospects.
- Drove event planning initiatives and coordinated decisions based on research and analysis of alumni data.
- Designed communication media including presentations, newsletters and reports for internal and external teams.
- Managed and maintained project documentation to track the progress of projects and ensure deadlines were met.

Product & Operations Specialist – Apple **Oct 2019 – Feb 2020**

- Built positive relationships with 50+ business clients maximizing revenue flow by \$50,000+ in business accounts.
- Consistently remained within the Top 3 associates at the store for recommending effective product solutions.
- Collaborated with the creative team to run 5+ daily sessions to educate customers on Apple products and services.
- Enriched customer experiences by proactively identifying customer needs and leading product demos efficiently.

EDUCATION

Candidate for Bachelor of Arts, **Sep 2018 – Present**

Honours Communications & Business (Co-op), University of Waterloo, Waterloo, Ontario

- Activities & Awards:

- Vice President of Internal Affairs
- Peer Tutor
- Dean's Honour List
- Arts Upper Year Scholarship

Legal Studies Society
Writing & Communication Centre
University of Waterloo
University of Waterloo

Apr 2019 – Jun 2020
Aug 2019 – Jan 2020
Dec 2018 – Present
Jan 2020

MCGILL UNIVERSITY CLASS OF 2022

B. A. in Computer Science and Statistics with a minor in Finance / GPA: 3.95 (Program); 3.92 (Overall)

- *Relevant Coursework:* Intro to Software Systems, Intro to Computer Science, Intro to Computer Systems, Data Science, Programming Languages and Paradigms, Statistical Computing, Calculus I/II/III, Linear Algebra I/II, Probability, Discrete Structures I, Intro to Finance, Business Statistics
- *Ongoing Coursework:* Calculus-based Statistics, Principles of Statistics II, Stochastic Processes, Honours Algorithms and Data Structures, Investment Management

PROGRAMMING LANGUAGES

Python / Java / R
C / Bash / OCaml

TECHNICAL SKILLS

Git / Linux OS / Data Structures / OOD
Databases / Linear Algebra / Statistics / ML

RESEARCH PROJECT IN DATABASES FOR DATA SCIENCE (FALL 2020)

- Benchmarked a proposed PostgreSQL-backed data science framework which embeds ML and SQL operations into the database
- Analyzed the framework's concurrent execution of gradient descent algorithms and SQL queries
- Supervised by Joseph V. D'Silva (McGill University)

LEADERSHIP

- McGill University Varsity Women's Ice Hockey
- McGill Midnight Kitchen weekly volunteer
- McGill University Tomlinson Engagement Award Mentor for Comp 302 (Winter 2021)
- High School Tutor for AP Computer Science (Fall 2020 – Winter 2021)

WORK EXPERIENCE

- Fulfillment Team Member, Target (April 2020 – December 2020)
- Food Service Worker, Vitality Bowls (April 2019 – August 2020)

STOCK MARKET BACKTESTER (PYTHON, IN PROGRESS)

- Reads in historical stock market data from csv files and runs a simulation over a user-specified time period
- Simulates the buying and selling of stocks with buy/sell decisions made based on future market values estimated by an LSTM model
- Libraries used in production and execution: Pandas, NumPy, Matplotlib, Keras (Tensorflow), Sci-Kit Learn

STOCK PORTFOLIO ANALYSIS (PYTHON)

- Reads one's stock portfolio from an Excel spreadsheet into a dataframe
- Scrapes the web for the up-to-date prices of each stock
- Copies the new information into a new spreadsheet and graphs different aspects of the data
- Libraries used in production and execution: BeautifulSoup, Requests, Pandas, NumPy, Matplotlib, Tabulate

OTHER NOTABLE PROJECTS

- 'Fruit Ninja' game (Java), basic compiler and interpreter (OCaml), 2020 US Election Reddit post analysis and categorization using NLP (Team project, Python)

Rob McTague

17ram13@queensu.ca/ [Robert McTague | LinkedIn](#)/315 560 9833/Scarborough, ON

SUMMARY

Driven and committed to expanding my experience surrounding emerging technologies. I deliver a unique combination of technical, analytical, and leadership skills, with knowledge in supporting innovative start-ups. A self-starter, I successfully launched a tech company that exceeded targeted goals. Known for consistency in problem solving, quality and delivering projects on-time when leading and working on teams.

EXPERIENCE

Founder/Blockchain Advisor

May 2020 - Present

Capitalize LLC

- Developed a venture working with a team behind the experimental synthetic asset "Softlink" to help develop their smart contracts and back end.
- Analyzed the market and advise Softlink on how to interface and work with marketing partners such as TrustSwap, enabling safe, and customizable transactions.
- Remained current on market research in new technologies connecting to the Blockchain space.
- Researched and stayed up to date on the state of decentralized finance to find potential Blockchain projects to partner with.

Artificial Intelligence Entrepreneur Team Lead

September 2020 to Present

InQubate

- Appointed as leader of a credible Canadian startup incubator working on bringing AI solutions to reality in the B2B SaaS space.
- Develop and apply AI market analysis in the Canadian AI market including its growth, size, and trends.
- Leading and coaching a team of 3, refining the business model and creating an AI product with real market validation.
- Responsible for creating visual presentations of project objectives and goals.

Power Systems Manager

April 2020 – Present

Queen's Hyperloop Design Team

- Leads and guides the Power Systems team on all aspects of how to model the hyperloop, working through various practical engineering problems.
- Trains team on software programming required to work on the modelling requirements.
- Delegates tasks and communicates accountabilities within the project plan to each team member.
- Responsible for implementing project management principles throughout the business plan.

Team Member

September 2019 – May 2020

Queens University Mostly Autonomous Sailing Team

- Worked with technical team to upgrade circuits from the previous years.
- Applied skills of systems engineering, hands on construction and project management.

SKILLS

- Software: Microsoft Suite, Excel Data Management, Adobe Illustrator & Photoshop
- Communication, Time Management, Public Speaking
- Programming Languages: Solidity, Node.js, C

BLOCKCHAIN PROJECT

- \$JRT Trade Bot Node.js, Discord
- Created a node.js bot to push all Uniswap and Sushiswap buys and sells to a Discord chat for Jarvis Network

EDUCATION

Queens University

September 2018 to April 2022

BA Electrical Engineering

Rose Goldfarb

rose.goldfarb26@gmail.com

705-845-6280

Experience

Machine Learning Developer – QMind

Sep 2020 – Present

- Researching CNN and RNN models
- Developing a model to predict NBA regular season game outcomes using Python and Keras

Satellite Engineer – Queen's U Space Engineering Team

Sep 2019 – Apr 2020

- Used sun sensors to determine the orientation of the satellite to enable remote repositioning of the satellite

Mentor – Code-G

Jan 2018 – Jun 2018

- Volunteer at a workshop to expose junior high school girls to technology and programming
- Fostered an environment that encouraged the participants to be curious and to get involved in technology

Section Head – Camp Kadimah

Jun 2020 – Aug 2020

- Planned and led virtual leadership programs for the Counsellors in Training (CITs)
- Adapted the CIT program to accommodate COVID-19 restrictions

Snowboard Instructor – Laurentian Ski Hill

Dec 2018 – Present

- Instructing beginners of all ages how to snowboard
- Modified the Canadian Association of Snowboard Instructors curriculum to better adjust it to the local ski hill

Skills

Languages & Tools

Python
C++
HTML/CSS
JavaScript
Keras
jQuery
NumPy

Software

SolidEdge
Git
MATLAB
Excel
Adobe Photoshop

Education

Queen's University – BASc

Candidate 2022

Applied Mathematics Engineering

- Computers and Communications sub-stream
- Dean's Honour List

Online Courses

Stanford University Machine Learning (Coursera)

Awards

- Valedictorian, Widdifield Secondary School Class of 2018
- Schulich Leader Nominee
- Leadership and Sportsmanship Award for Senior Girls' Basketball - 2017 & 2018
- Coaches Award for Girls' Varsity Soccer - 2017 & 2018

Extracurriculars

- Senior Girls' Basketball Team Point Guard (Head Captain) - 2017 & 2018
- Logistics Officer (Student Council) - 2017 - 2018
- Varsity Soccer Team - 2017 & 2018
- Mathematics Team - 2016 - 2018

Sahel Patel

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Professional Summary

A quality focused Chemical Lab Tech with strong laboratory skills and active involvement in analytical, biochemical, microbiological lab setting environment gained through hands on experience with broad understanding in GLP, GMP, cGMP, WHMIS (2015), USP and aseptic techniques at Seneca College (Toronto).

Education

Diploma- Chemical Laboratory Technician | 2019-2020 | Seneca College, Toronto.

- Affiliated by Canadian Society of Microbiologists (CSM) and Chemical Institute of Canada (CIC)
- Courses: Mathematics, Organic Chemistry, Analytical Chemistry, Applied Inorganic Chemistry, Advanced Computers, Physics, Instrumentation, Biochemistry, Microbiology.
- Specialization courses: Industrial Microbiology and Pharmaceutical Manufacturing

Experience

QC LAB TECHNICIAN | STLTH VAPE | JAN 2019- AUG 2019

- WHMIS & OHSA training for safety at workplace
- Quality Control (QC) of filled vape pods by comparing to standards and fixed the defects to reduce overall defect rates by applying GMP.
- Proper disposal of wastes and vape juices to prevent contamination.
- Prepared and submitted end of shift reports and data entry in MS Office.

Core Strengths

- **Microbiology:** Microscopy, Inoculation & Culture techniques, Media Prep., Staining, Bacterial motility and oxygen requirements, Standard analysis of water; anti-microbial sensitivity tests, intro to USP methods & ATCC, HACCP systems, Testing methods for microbial food contaminants, use of selective/differential media to identify and quantitate common pathogens, Analysis of surface contamination, Inoculation and interpretation of various biochemical tests.
- **Organic & Inorganic Chemistry:** Titrations(Standard/Potentiometric), Standardization of samples, pH analysis, Buffer prep., presence of metal ions in sample, Synthesis of Acetyl Salicylic acid , Melting point theory and analysis, Sample Preparation and Melting Point Determination, Synthesis of Esters, Distillation of Alkanes and boiling point theory, refractometry, Extraction, filtration and preparation of Caffeine, Hydrogenation with reflux of alkenes.
- **Technical Writing:** GMP, GLP, cGMP regulations, SOPs, WIs, Out of Specifications, Reports, Presentations, Emails, Drafts, Validation, Data Entry in MS Office, Excel.
- **Mathematics:** Log & Exponential equations, Advanced calculus, Statistics, Fertilizer calc., nomographs, Absorption spectrum, Standard curve. Use of formulae and graphical approaches to compare the effectiveness of various antimicrobial agents on a population.

Instrumentation

Calibration and Set-up of

- HPLC, IR-Spec, UVis Spec, Glassware, Pycnometer, Refractometer, Melting pt. apparatus; Fisher & Meltemp, Vacuum filtration, Balances, pH meter, automatic Titrator
- Compound & Light Microscope, Spectronic 20, Stage micrometer, UV spectrometer, Autoclave, anaerobic chamber, multi-cartridge disk dispenser, Enterotube®, API systems®, immunofluorescence, latex bead agglutination, ELISA, Cylinder plate assay, Air impinger, PCR, Gel electrophoresis and more.

Other Experience

Student Ambassador | Seneca college | Jan 2020-May 2020

- Student Help Desk Representative – Student Recruitment
- Campus Tour Guide

RIDE OPERATOR | CANADA'S WONDERLAND | 2019

- Certified Ride Operator at Planet Snoopy
- Opening and closing rides
- IRT IROC certified

EXTRA-CURRICULAR

English and Liberal courses: COM101, Canadian Popular Music, The Graphic Novel, Personality & Abnormal Behavior.

SEAN POLLEN

17smp3@queensu.ca | 647-385-5347 | [linkedin.com/in/sean-pollen/](https://www.linkedin.com/in/sean-pollen/) | github.com/seanpollen

EDUCATION

Bachelor of Applied Science – Computer Engineering, Queen's University, Kingston, ON Class of 2022

- **GPA:** 3.62 (Cumulative), 3.83 (Major), *Dean's List 2019 – 2021*
- **Relevant Coursework:** Data Structures (C), Database Management, Object Oriented Programming, Algorithms, Stats
- **Awards:** *Mason Cup* – presented to the team that best demonstrates technical and communication skills in APSC100.

SKILLS

- **Languages/Frameworks:** C/C++, Python, Java, JavaScript, React, HTML, CSS, Arduino, SQL/MySQL.
- **Technologies/Tools:** Microsoft Office (Excel, Word, PowerPoint, Access), Tableau, Photoshop, Atlassian, Adobe XD
- **Other:** Technical report writing, communication, mathematics, data visualization, leadership.

TECHNICAL EXPERIENCE

Financial Algorithm Developer & Team Lead, *Queens University Algorithmic Network Trading Team* 2020 – Present

- Researched, developed, and implemented an algorithm to autonomously trade simulated options in real-time with Python, yielded a return of 25% through 2020 with a Sharpe ratio of 1.7.
- Attended 10-week industry formulated education program on financial modeling and quantitative/time series analysis.
- Planned and executed meetings, responsible for strategic decisions regarding the team's quantitative investment portfolio.

Machine Learning Developer, *inQUBate*, Kingston, ON 2020 – Present

- Completed market research and analysis alongside other members of Canada's largest student run AI startup incubator.
- Created and tested a complex algorithm in the entertainment field using Python and data science libraries.
- Designing and developing a single page web app (Flutter) to display and autonomously update algorithm output.

OTHER EXPERIENCE

Competition Lead, Ontario Engineering Competition, 2019 – 2021

- The largest competition of its kind in Canada, OEC brings together top engineering students from universities across Ontario
- Responsible for reorganizing communications competition, including managing a portion of \$250,000 budget, delegating speakers and judges, and enthusiastically leading a team of volunteers.
- Coordinated with sponsoring corporations and subsequent host to adapt to COVID-19 disruptions.

Orientation Leader, Queen's University Engineering Society, Kingston, ON 2019 – 2020

Summer Camp Counselor, Camp Ponacka, Bancroft, ON 2017 – 2019

Skiing Instructor, Lakeridge Resort, Uxbridge, ON 2015 – 2018

PROJECTS

Full Stack Web Application (CrowdPleaser), Python (Django), React, JavaScript, HTML, CSS. 2021

- Developed collaborative music queuing application using React front-end and Python/Django back-end.
- Integrated application with Spotify API and designed relational database to process room information.
- Prototyped front-end using AdobeXD, conducted user interviews for user interface design.

Coronavirus Study Location Interface, C++, QT. 2020

- Designed and implemented a dashboard to connect students with 50+ outdoor or socially distanced study locations.
- Utilized C++ and OOP concepts to process user login information and preferences, implemented a UI using QT.
- Utilized CASE tools such as Jira, Confluence, and Bitbucket to effectively work in Agile environment.

Titanic Machine Learning Analysis, Python (Pandas, NumPy, SK-Learn). 2020

- Utilized machine learning algorithms to predict passenger survivability on the titanic with an accuracy of 80%.
- Analyzed and visualized effectiveness of various machine learning algorithms.

Video Game Neural Network, Python (PyGame, NEAT). 2020

- Recreated the game "Flappy Bird" and implemented an AI to autonomously play using the NEAT genetic algorithm.

Interests: Guitar, Music, Ski Racing, Sailing, Chess, Basketball

Sean Sutherland

seansutherland24@gmail.com | 613-915-6829 | www.linkedin.com/in/sean-r-sutherland/

I am a dedicated, reliable and very hard worker. I excel in my engineering classes and know how to stay organized and manage my responsibilities well. I am good with technology, programming, mathematics, and a fast, resourceful learner. I have leadership experience and consider myself a friendly, outgoing person. I can build strong connections with customers. I have personal experience and am very passionate about both machine learning and investing. I am searching for a summer employment opportunity from May – August 2021 where I can use my software development and problem-solving experience with a business mindset.

EDUCATION

- Bachelor of Applied Science**, Queen's University, Kingston, ON 2018 – Present
- Mathematics and Engineering – Computing and Communications stream.
 - Dean's Scholar, Annie Bentley Lillie Prize in First Year Calculus, William Rutherford Dunlop Scholarship, Principal's Entrance Scholarship.
 - GPA : 3.9
- Ontario Secondary School Diploma**, Glebe Collegiate Institute, Ottawa, ON 2014 – 2018
- Top Grade in each Calculus, Advanced Functions, and Computer Science courses. Awarded Highest Academic Achievement for Top Ten graduating average, Silver Medal Award for average greater than 90%, and Academic Diversity Award.
 - Graduating average of Top 6 courses, 98%

PROFESSIONAL EXPERIENCE

- Software Developer**, Paphus Solutions, Ottawa, ON 2020
- Artificial Intelligence software company in which I am getting a variety experiences on both the product and services side.
 - Personally cloned and developed a secure messaging application with back-end web server.
 - Specific development experience in Android and web environments.
- Bartender/Server**, Calypso Theme Waterpark, Limoges, ON 2019
- Selected to wait on VIP guests and run the VIP bar.
 - Mixed and served a variety of drinks while maintaining impeccable bilingual customer service.
- Crew Trainer**, McDonald's, Ottawa, ON 2016 – 2019
- Demonstrated leadership by coaching co-workers and serving as a role model for new hires.
 - Specific experience in the kitchen, drive thru, and cash.
 - Selected to be a member of the Joint Health and Safety Committee. Used a mature sense of accountability and contributed to the development of a safer work environment.
 - Employee of the Month twice. Loyal employee.

EXTRACURRICULAR EXPERIENCE

- Project Manager**, QMIND, Kingston, ON 2020 – Present
- Manage a team of 3-5 developers through a client-facing artificial intelligence project.
 - Project Management experience, Client Acquisition experience, and Machine Learning.
- Investment Analyst**, QUBE, Kingston, ON 2020 – Present
- Foster a solid understanding of financial markets and investment strategy from an engineering perspective.
 - Investment Management experience, Team Collaboration and Analysis experience.
- Glebe Collegiate Mental Health Committee**, Ottawa, ON 2018
- Facilitated Parent Night during Mental Health Week.
 - Recruited speakers and organized meetings.

ADDITIONAL INFORMATION

- Certifications: Canadian Securities Course, Ontario SmartServe, DELF B2 French bilingual certification
- Programming Languages: Java, JavaScript, C, C++, MatLab, Objective C, Python, HTML
- Interests include: Machine Learning, Math, Business, Technology, Athletics, Travel, Music

Sean Zhao

MAJOR IN MATHEMATICS · MINORS IN COMPUTER SCIENCE AND STATISTICS

647-821-7123 | seanzhao2@gmail.com

Skills

Languages C++, Python, Java, JavaScript, R, SQL, HTML/CSS, L^AT_EX

Technologies/Frameworks Git, React, Tensorflow/Keras, NumPy, PyTest, JUnit, CUDA

Work Experience

RSVP.ai

Waterloo, ON

SOFTWARE ENGINEERING INTERN

May. 2019 - Sep. 2019

- Automated the labeling and cleaning of data that would be used as input in a conversational AI
- Wrote unit and functional tests to ensure that testing coverage was met
- Implemented a visualization tool in React that allows users to filter and manipulate labeled data

Projects

tetris.ai

Python

KERAS, TENSORFLOW, CUDA, PYGLET, NUMPY

- Created a Tetris clone using Pyglet and applied reinforcement learning to train a model to play Tetris
- Implemented a Deep Q network that would predict board values based on raw board input and human heuristics
- After training, the model was able to clear on average 200 lines

Arduino Soccer Robot

C++

ARDUINO, SOLIDWORKS

- Took the derivative of angle difference between the bearing and the ball to control rotation
- Utilized image recognition to determine the location of the ball
- Designed and 3D printed the robot using SolidWorks

Stock Analysis Bot

Python

AWS, CRON

- Utilized a web scraper to acquire data for sentiment analysis
- Used the gathered data to perform sentiment analysis using NLTK
- Hosted the script on an AWS EC2 and scheduled Cron jobs to run daily

Education

University of Toronto, St. George

Toronto, ON

CANDIDATE FOR BACHELORS IN MATHEMATICS

Sep 2018 - Present

- Minor in Computer Science and Statistics, cGPA: 3.23
- Relevant Courses: Object Oriented Programming, Python Programming, Linear Algebra, Calculus, Elementary Number Theory, Data structures and Analysis, C programming

SHRISH VEERASUNDAR

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shrish.veerasundar@queensu.ca · +1 (613)-770-8788 · [linkedin.com/shrishveerasundar](https://www.linkedin.com/shrishveerasundar)

EDUCATION

Queen's University:

Kingston, Ontario, Canada: 2018 – 2022

Bachelor of Applied Science in Computer Engineering:

- Among top of class. Pursuing Computer Engineering innovation, a specialized business and engineering stream which accepts only 50 students a year. This equips me with business skills and core engineering competencies.

Greenwood High International School:

Bangalore, India: 2016 – 2018

International Baccalaureate

- Graduated Cum Laude with Math, Physics, Chemistry at the Higher Level; Economics at the Standard Level.

WORK AND LEADERSHIP

QuEST Global:

Bangalore, India: July 2019 – September 2019

Summer Machine Learning Intern

- Employed Machine Learning Algorithms to predict controller board failure rate and time, reducing server down time and increasing revenue.
 - o Used Python, MySQL, AWS to preprocess database. Team conducted analysis using data visualization techniques with Python and 'R'. The libraries used were Seaborn, Pandas, NumPy.

Grant Thornton LLP:

Bangalore, India: July 2018 – August 2018

Growth Advisory Intern

- Worked directly with the Growth Advisory and FinTech team for North America's largest wine and spirits distributor for strategic inorganic growth. Took initiative towards IoT solutions for marquee products to improve appeal to high-profile clients. Also learnt about the M&A due diligence process, entity analysis using discounted cash flow method.
- Gained experience pitching IoT smart building solutions to a leading Tier 2 construction company to improve Earthquake readiness.

CSS Corp:

Bangalore, India: June 2017 – July 2017

Cloud Architecture Intern

- Worked with networking clients (Cambium and Panzura) on RAID 5 SAN configurations. Also worked with Customer and Legal Support Team to handle tickets for home and enterprise networking issues.
 - o Learnt about SAN/NAS architecture and their various archetypes.

Queen's CIRQUE:

Kingston, Ontario, Canada: September 2019 – Present

Marketing Coordinator, Executive Team Member

- Coordinates all marketing strategy, and manages operations along with other Exec members.
- Increased CIRQUE's follower and engagement by over 200% since hiring, averaging 1300 engagements per week.
- Value creation for Sponsors and Speakers by meeting industry standards for a professional conference. I also maintain sponsor relations. Some of our current sponsors include Scotiabank, TRANE, StarFish Medical.

Queen's Hyperloop Design Team:

Kingston, Ontario, Canada: September 2018 – Present

Control Systems Designer, Sponsorship Coordinator

- One of top 20 Finalists worldwide of 2019 SpaceX Hyperloop Design Competition, the first time in team's history.
- As Control's Designer, it is my primary responsibility to develop a GUI for the pod states and handle network communication of the pod. As sponsorship coordinator, it is my main purpose to represent the team to industry professionals to spark official partnerships. Our current sponsors are SNC Lavalin, PWC, Shell, ANSYS, and MAGNA.

ACTIVITIES AND INTERESTS

Volunteer and Other Extra – Curriculars:

- Tutors underprivileged kids in Computers and English in rural parts of India during summer breaks (Ongoing).
- Was a part of Rotary club efforts during the 2017 Chennai Floods by mobilizing food and funds.
- Undertook a tree plantation drive in community for World Environment Day.
- Trinity College London Grade 6 certified Pianist, Nikon #IAmShutterbug Semi-Finalist.
- Intercity Swimming Meet Champion (Silver Medalist).

SHUBHAM BHARDWAJ

Canadian Citizen · Mississauga, ON, CA · sbhardw8@uwo.ca · (647) 638-3827 · shoeboom.dev

SKILLS

Languages (Proficient): Python, JavaScript

Languages (Fluent): Java, Kotlin, C++

Frameworks: NodeJS, Tensorflow

Tools: Git, Linux

EDUCATION

Honours Specialization in Computer Science

The University of Western Ontario

London, ON

Sep 2018 – May 2022

Udacity, Nanodegree Deep Learning Foundation

Dec 2017 - Apr 2018

- Worked with deep learning platforms such as Tensorflow and Keras
- Used Reinforcement learning to train an AI to fly a Quadcopter
- Built CNN to detect Dog breeds and a Face generator using GANs

OPEN SOURCE

Firebase TypeScript

github.com/firebase/firebase-functions-test/pull/71

- Implemented a method to clear database between tests
- Implemented unit tests for this method using Mocha

PROJECTS

Home Security System C++, Qt, OpenCV

github.com/ShoeBoom/Home-security-system

- Implemented Facial Recognition to identify intruders
- Implemented a system for saving & viewing recordings of possible intruders

Simple Invest React, Express.js

simple.shoeboom.dev

- Implemented an API using Express.js to manage financial data
- Implemented a system to automatically rebalance stock portfolios
- Implemented authorization and content validation

OOBER plus React, Firebase

devpost.com/software/oooberplus-b4qmdz

- Developed a Ridesharing app with a team of four during a 36 hour hackathon
- Won 3rd at a hackathon
- Built a website with search, authorization, and content validation

JavaFXChess Java, JavaFX

github.com/ShoeBoom/JavaFXChess

- Created an implementation of Chess using JavaFX
- Utilized inheritance to implement chess logic

Simon Bard

(416)-450-4190

17sb69@queensu.ca

Summary of Skills

- Excellent organization and time management skills
- Strong background in science, mathematics and computing
- Programming knowledge in C#, HTML, CSS, JavaScript, Java, MATLAB and C
- Fluent in English and French

Education

- Queen's University (Kingston, ON) – Currently in my third year of a Mathematics and Computer Engineering Degree

Work Experience

- Assistant at Cabana Boy Pool Service 2019
 - Opening, weekly cleaning and maintenance of swimming pools
- Leader at UTM Sports Camp 2018-2019
 - Lesson plan creation for an inclusive and entertaining program for campers of varying abilities
- Freelance Woodworker 2020
 - Design and construction of fences, decks, and gates for houses in my neighborhood
- Software Developer at SureCure Aligners 2020
 - Development, testing, and maintenance of software and applications to help increase the efficiency of the company
 - Design and implementation of new programs and features

Volunteer Experience

- Research for *Ned: A Prostate Cancer Survivorship Application* 2019
 - Helped develop the *GetNed* application by researching prostate cancer articles

Extracurricular Activities

- Rep Soccer 2009-2018
- Piano Lessons 2007-2017
- Queen's Squirrel Watching Club 2019
- QHacks (Queen's University Annual Hackathon) 2020
 - Created an urban smart farm app to help families plant their own crops and reduce greenhouse gas emissions

Awards/Achievements

- Royal Conservatory Level 8 Piano completion with Honours 2015
- Royal Conservatory Advanced Rudiments completion with First Class Honours with Distinction 2015
- University of Toronto Mississauga Leadership 1 and 2 Courses 2015-2016
- First Aid Certification 2018
- Queen's Excellence Scholarship Entrance Scholarship 2018
- Queen's University Dean's Honour List 2019

Smeet Chheda

smeet.chheda@queensu.ca | 647 978 4166 | Toronto, ON

EXPERIENCE

QMIND AI | DESIGN TEAM MEMBER

Sept 2020 – Present | Kingston, ON

- Researched ARIMA, SARIMA, ARCH, and GARCH models to identify best possible approach for assigned project.
- Developing custom ARIMA model to analyze and predict future volatility in different securities.
- Create data sets with information determined to be implicitly relevant to stock volatility.
- Used Git to collaborate with team members.

ENGLINKS | WORKSHOP AND PERSONAL TUTOR

Mar 2020 – Present | Kingston, ON

- Create course-specific resources for use by first year engineering students.
- Monitor the EngLinks website and respond to tutor requests for various courses to set up a mode and frequency of communication to begin personal tutoring.
- Lead workshops designed to prepare students for midterm and final examinations for courses such as Linear Algebra and Introduction to Programming.

OEM PRODUCTS, LLC. | VENDOR-SPECIFIC INVENTORY MANAGER

June 2016 – Aug 2018 | Concord, ON

- Reorganized and digitized the locations of parts specific to OEM Products within the Manitowac Food Services Concord plant.
- Monitored the usage of parts and identified trends in production related to season and efficiency of labourers.
- Ordered parts as needed such that appliance production may flow smoothly.

PROJECTS

OPTIONS VOLATILITY ANALYSIS

- Create custom dataset and ARIMA model to forecast volatility of various stocks.
- Use predicted volatility to determine whether an **iron condor** setup of options contracts will be profitable.

PIEGAMES

- Developed a custom game app using PyGame, including a GUI allowing user to select between Pong and Tron.
- Designed a basic CPU to allow players to choose between one and two player versions of the aforementioned games.

LINKS

Github:// [smeetChheda](#)
LinkedIn:// [in/smeet-chheda](#)

SKILLS

LANGUAGES

Python • C • Assembly • Java • PHP

TECHNOLOGIES

SQL • Git • Google Colab • Jupyter
• SKLearn • NumPy • Matplotlib • SolidWorks • Word • Bash • Excel

EDUCATION

QUEEN'S UNIVERSITY

B.A.Sc MATHEMATICS AND ENGINEERING

- Specializing in computing and communications
- Expected April 2022

Relevant Courses

- Probability
- Linear Algebra
- Algorithms
- Data Structures
- Databases
- Calculus III
- Differential Equations

REFERENCES

- Available Upon Request

SOPHIA EPSTEIN

sophia.epstein55@gmail.com • (908) 770-6002 • <https://www.linkedin.com/in/sophia-epstein-5a4085166>

EDUCATION

Claremont McKenna College, Claremont, CA

May 2022

Bachelor of Arts, Mathematics and Neuroscience (dual major) with a sequence in Computer Science

- **GPA:** 3.7/4.0
- **Relevant Coursework:** Computational Neuroscience, Behavioral Neuroscience, Algebraic Topology, Computer Science, Math Analysis, Cellular and Molecular Neuroscience, and Applied Biostatistics

EXPERIENCE

P-ai, Claremont, CA

Jan 2021-Present

Project Manager

- Led a team to create a PET scan classifier

Computational Neuroscience Research, Claremont, CA

Oct 2020-Present

Neuroscience Research Assistant

- Analyzing oscillations in integrate-and-fire models of the endocrine system

Theoretical Mathematics Research, Claremont, CA

Feb 2019-Present

Mathematics Research Assistant

- Co-authored a seven-page paper including research in topics of theoretical mathematics, epistemic logic, and artificial intelligence to prove completeness in a new logic phenomenon, to be presented at AAAI-21

Keck Graduate Institute Summer Undergraduate Research Experience, Claremont, CA

Jun 2020-Aug 2020

Machine Learning Researcher and Bioentrepreneur Researcher

- Developed and coded a multifeatured natural language processing neural-net classifier categorizing media discourse on vaccination
- Conducted advanced quantitative analysis and market assessments for potential drug repurposing

The White House Internship Program (under Mick Mulvaney) Washington, D.C.

Jan 2020-Apr 2020

Finance Intern, White House Management Office

- Assisted in preparing weekly financial management reports and supported senior staff in making budgetary decisions
- Implemented a new computer-based system for resource allocation making distribution more efficient
- Developed and maintained trackers for inventory, supplies, and expenditures

Wellacopia, New York, NY

Jul 2018-Aug 2018

Marketing and Design Intern

- Served as head designer for 10 detailed graphics for an investment pitch and advertisement campaigns during launch and conducted research on advanced technology and competitors relating to wellness

IMPACT, New Providence, NJ

Sep 2017-Aug 2018

Founder and CEO

- Rendered 3D imaging of bead designs, assembled bracelets, and sold products to fund Autism research
- Led 10 students with special needs to provide creative design outputs while partnering with a 30-district school system for children with Autism

Lightening Energy, Picatinny, NJ

Jun 2017-Jul 2018

Research and Development Intern

- Collaborated with a team of five college interns to research on edge and cloud computing methods
- Exercised teamwork skills and knowledge in the environment of a small business defense contractor

LEADERSHIP EXPERIENCE

The College Review

Jul 2020-Present

SAT and ACT Tutor

Mathematics Department, Claremont, CA

Sep 2019-Present

Advanced Mathematics Grader and Tutor

Office of Admissions, Claremont, CA

Sep 2019-Present

Tour Guide and Office Assistant

INTERESTS AND SKILLS

- **Skills:** Java, Microsoft Excel/Google Spreadsheets, PowerPoint, Autodesk, Organizing, Technical Writing, LaTex, Python, Oracle, Salesforce, SharePoint, TensorFlow, Machine Learning Algorithms

Hong-il Choo (Stanley)

778-996-7440 • Kingston, Ontario | Vancouver, British Columbia • stanleychoo2000@gmail.com

EXPERIENCE

Lead Front-End Application Developer

Sep.2020 - Present

Queen's University | Kingston, ON

Front-end developer/coordinator for Queen's Inquabate Team (Start-up using AI) where we are developing an application to improve and organize work environment for engineers and other workers

Key Accomplishments:

- Built and designed the home page and the login page for our team's product website using React, JSX, CSS, and HTML
- Creating new features, functionality, and capabilities on the website with the use of react-scroll and semantic-ui
- Using Jira to make sure everyone is up to date on their work and assign responsibility for front-end web development

Project Manager | 2D Adventure Maze Game

Sep. 2020

Queen's University | Kingston, ON

- Developed an object-oriented game using VSCode to implement classes and objects
- Responsible for creating a mini game feature within the game
- Project Manager for my team, and used Jira and Confluence to organize our team's work and make sure our game was finished on time

Queen's Start-up Summit

Jan.2020

Queen's University | Kingston, ON

- Led team in ideation and creative thinking process to come up with an idea for pitch (Given only 24 hours)
- In charge of product demo, where I taught myself Swift and created a quick demo mobile application within the time given
- Given compliment by a member from Bank of Canada for our efforts who was supervising our work

EDUCATION

Queen's University | Bachelor of Engineering in Computer Engineering

Expected Dec. 2018

- Third Year
- Engineering vs Commerce Basketball (Player)
- Inquabate Club, Queen's Start-up Summit

SKILLS

- Coding Experience
 - Front-End Development: React, Bootstrap, HTML, CSS, JSX, and NodeJS
 - Program Languages: Python, Java, C++, and MatLab
 - Python Deep Learning and Neural Networks (Keras with TensorFlow)
 - Github, BitBucket, Jira, Confluence, Git, VSCode, and Zoom
 - DataBase Management: SQL
- Hardware Experience
 - Arduino, FPGAs, PCB, Welding, Oscilloscopes, and DigitalMeters
- Fluent Language
 - English and Korean, beginner French
- Team Leader
 - Team Leader in Capstone Project
 - Project Manager for 2D Maze game
 - Lead Front-end developer coordinator for Inquabate Team
 - Captain for Handsworth Secondary Basketball Team (2013-2018)

STEFANOS STOIKOS

Messinis 21a, Athens Greece, 15126
+30 (694) 654-8230 ◇ st.stoikos@gmail.com

EDUCATION

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| Pomona College , Claremont, CA; <u>GPA: 3.73/4.0</u> | <i>Expected: December 2022</i> |
| Bachelor of Arts in Computer Science & Mathematics; Track & Field Varsity Team; AI Club; Pomona Ventures | |
| <i>Relevant coursework:</i> Theory of Computation, System Security, Algorithms, Data Structures, Functional Programming, Computer Systems, Advanced Algorithms, Deep Learning, Differential Equations/Modeling, Discrete Math, Linear Algebra, Macroeconomics, Intro to Media Studies | |
| Hellenic American Educational Foundation (HAEF) , Greece; <u>GPA: 19.9/20.0</u> | <i>Jul. 2018</i> |
| National Academic Excellence Awards, “A” Association Athletic Honor Society, Model United Nations Club | |

SKILLS

Programming Skills: Java/Python (Proficient), C/C# (Intermediate), OCaml/Haskell (Intermediate), MySQL/SQLite (Intermediate), Javascript, Pytorch, TensorFlow, Unix/Linux, GDB, Emacs, Vim, HTML, Web-scraping, Latex, Adobe Photoshop, Illustrator, Premiere, After Effects, Unity, Blender 3D, SolidWorks

Language Skills: Bilingual fluency in English and Greek, Intermediate in French

EXPERIENCE – PUBLICATIONS - CONFERENCES

| | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| Claremont McKenna College , <i>Mathematics Research Assistant, Claremont, CA</i> | <i>May 2020 - present</i> |
| ◇ Trained Google’s BERT model to the multilingual emoji-prediction task for 106 languages and 80 emojis | |
| ◇ Applied model for sentiment analysis of COVID-19 related tweets using geo-located Twitter API data | |
| ◇ “ <i>Multilingual Emoticon Prediction of Tweets about COVID-19</i> ”, peer reviewed and accepted paper to the International Conference on Computational Linguistics (COLING), Barcelona, Spain, Dec. 8-13. 2020 (link) | |
| <u>Technologies:</u> Python, Pytorch, Transformers, MySQL, matplotlib, Latex | |

| | |
|-----------------------------------------------------------------------------------------------------------------|----------------------------|
| Argo , <i>Founder, Lead Engineer, Claremont, CA</i> | <i>Jul. 2019 - present</i> |
| ◇ Leading a 4-person team and developing app that promotes self-care via journaling and memory exploration | |
| ◇ Recipient of the <i>Fletcher Jones Foundation</i> award to advance development of application over the summer | |

| | |
|-------------------------------------------------------------------------------------------------------------|------------------|
| <u>Technologies:</u> C#, Unity, Adobe Photoshop, Adobe Illustrator, Blender 3D | |
| Embiria Consulting Engineers S.A , <i>Engineering Intern, Athens, Greece</i> | <i>Jul. 2017</i> |
| ◇ Collaborated with engineers on PM tasks and incorporated fire safety in building designs using SolidWorks | |
| Seanergy Maritime Holdings Corp. , <i>Summer Intern, Athens, Greece</i> | <i>Jul. 2016</i> |

SELECTED PROJECTS

| | |
|-----------------------------------------------------------------------------------------------------------|------------------------------|
| Artificial Intelligence Club Project: Twitter Sentiment Analysis | <i>Oct. 2019 - Feb. 2020</i> |
| ◇ Extracted “WeWork” themed tweets using Twitter API and processed them to remove unwanted text noise | |
| ◇ Built CNN model to classify related tweets based on the sentiment, and visualized data using matplotlib | |

Selected Coursework Projects: *Sept. 2018 - present*

| | |
|------------------------------------------------------------------------------------------------------------------|--|
| <u>Accord-Webchat:</u> Decentralized secure web-chat encrypted service for direct and group messaging | |
| ◇ Implemented Server, Certificate Authority and Messenger clients for complete confidentiality and integrity | |
| ◇ Built SQL database for storing user accounts and messages; protected against spam and injection attacks | |
| <u>Song Discoverer:</u> Based on user input provide music recommendations in different languages | |
| ◇ Used Spotify, Genius API and web-scraping to create a database of songs in different languages | |
| ◇ Utilized the Heroku and Streamlit platforms to create and publish the web application (link) | |

SYDNEY CORBETT

158 ROCHESTER AVENUE, TORONTO, ON | (647) 628-2370 | SYDNEY.CORBETT@QUEENSU.CA

EDUCATION

FACULTY OF ENGINEERING & APPLIED SCIENCE – QUEEN'S UNIVERSITY, Kingston, ON

Bachelor of Applied Science, Mathematics & Engineering (Computing Sub-Stream) Candidate 2022

- GPA: 3.95/4.30
- Dean's List 2019 & 2020, Engineering Orientation Week Leader (FREC), Principal Scholar (\$5000)

HAVERGAL COLLEGE, Toronto, ON

2004 – 2018

- 98% overall average senior year
- Senior Year Awards for Highest Proficiency: AP Calculus, Advanced Functions, Physics, Computer Science

WORK EXPERIENCE

ECOBEE HOME AUTOMATION, Toronto, ON

Embedded Systems QA Engineer

Summer 2019

- Designed the ecobee Smart Camera test framework and created a comprehensive outline of all necessary test cases, resulting in ease of test automation and ensuring higher standards than other cameras on the market
- Designed and programmed automated unit tests in python for the ecobee Smart Thermostat, allowing for the release of their latest and largest software update to date

SPIRIT OF MATH SCHOOLS, Toronto, ON

2014 - 2018

Assistant Teacher & Private Tutor

EXTRACURRICULAR ACTIVITIES

QUEEN'S MACHINE INTELLIGENCE & NEUROEVOLUTION DESIGN, Kingston, ON

2018 - Present

Director of Design (2020-Present)

- Outlined and implemented onboarding documents for incoming project managers and team leads
- Manage four to five design teams and projects; lead project design and client acquisition including securing TD as a top client again for another year

TD Bank Design Team Lead (2019-2020)

- Completed a natural language processing (machine learning) project with four other students for TD Bank
- Designed project with our client at TD and managed all client communications; planned and led all team meetings, delegated weekly work

OEC 2021 EXECUTIVE, Kingston, ON

2019 - Present

Finance Officer for the 2021 Ontario Engineering Competition

- Created overall competition budget with a main focus on operations and delegates; includes accommodations, transportation, catering and venues
- Designed and implemented an automated payment request, reporting, and budget adjusting system in Microsoft Flow for the over quarter million-dollar budget which saves each user 4-6 hours per month in entries

QUEEN'S ENGINEERING SOCIETY SOFTWARE DEVELOPMENT TEAM, Kingston, ON

2018 - 2019

Team Lead

QUEEN'S BRIDGE BUILDING DESIGN TEAM, Kingston, ON

2018 - 2019

General Member

OTHER SKILLS AND INTERSETS

- **Skills:** proficient in Python, Java, C, Udemy Machine Learning A-Z course
- **Interests:** CrossFit, long distance running, competitive gymnastics, downhill ski racing, interior design

Tahseen Bin Taj

(514) 235-1743 • tahseen.taj@mail.mcgill.ca • [LinkedIn](#) • [Github](#)

Looking for a software development internship during Summer 2021 (focused on backend, data science and cybersecurity)

EDUCATION

| | |
|-----------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| McGill University – School of Computer Science, Montreal, Canada Bachelor of Science, Major in Software Engineering, CGPA: 4.00/4.00 | Sept 2019 - Dec 2022 |
| • 2019-2020 Dean's Honor List and Faculty of Science scholarship (Top 5% in the faculty) | |

WORK EXPERIENCE

| | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| Data Mining and Security Lab – McGill University, Montreal, Canada <i>Research Assistant</i> | Jan 2021 - Present |
| • Collected samples of 'fileless malware' and label them • Performed dynamic analysis by running the malwares in a sandboxed environment and analyze the behaviors • Performed static analysis by reverse engineering and deobfuscating scripts, lookup and analyze the function and API calls • Leverage (yet to do) NLP and other machine learning techniques to classify the malwares and automate the process | |
| Teaching and Learning Services – McGill University, Montreal, Canada <i>Remote Learning Assistant</i> | Sept 2020 - Present |
| • Edited lecture videos by adding special effects, cleaning audio by removing stutters and syncing the audio with video • Created and designed organization-level and course-level homepages and course contents on Desire2Learn (D2L) • Created a performance tracking spreadsheet of the employees with various data visualization tools (Pivot table and bar diagrams) | |

PROJECTS AND COMPETITIONS

| | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| Predicting a Pulsar Star – Webapp development | Oct 2020 - Dec 2020 |
| • Preprocessed (using Pandas, Numpy, matplotlib and Sklearn) and trained using various ML models offered by Sklearn • Deployed the model using Flask for the backend, HTML/CSS for the frontend and Heroku for hosting the webapp | |

| | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| Coro-nah – Webapp development | Sept 2020 |
| • Developed a webapp with crowdsourced rating system of places based on the COVID-19 guidelines set by the government by using Google Places API to search for places and fetch a list of places nearby along with their details • Saved the user ratings on a database using SQLAlchemy (SQLite) • Created the website using Flask+HTML/CSS and deployed it by hosting it on Google Cloud VM | |

| | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| CyberQuest – Team leader | Apr 2017 |
| • Helped my team win the nation-wide competition comprising of more than a thousand competitors • Successfully exploited real world vulnerabilities found in binary files, websites and operating systems | |

LEADERSHIP AND EXTRACURRICULAR

| | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| Muslim Student Association – McGill University, Montreal, Canada <i>Vice President - Finance</i> | Sept 2020 - Present |
| • Consulting and creating budgets for various events and an annual budget • Managed the bank account of the service (MSA) and creating bi-annual audits | |

| | |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| McGill Artificial Intelligence Society, Montreal, Canada <i>Member and Bootcamp participant</i> | Oct 2020 - Present |
| • Completed an intro to ML bootcamp • Ranked 2 nd in a Kaggle competition on computer vision with Convolutional Neural Networks | |

SKILLS

| | |
|----------------------------------------------------------------|------------------------------------------------------------|
| Programming Languages: | Topics of knowledge and interest: |
| • Python • Java • C/C++ • HTML • CSS • Javascript • SQL • Bash | • Linux • Cybersecurity • Machine learning • Video editing |

TANNER DUNN

(506) 210-3888 • tanner.dunn@queensu.ca

<https://www.linkedin.com/in/tanner-dunn8>

<https://github.com/TDunn8>

EDUCATION AND TRAINING

Queen's University

Expected Graduation: May 2022

B. Computing in Software Design, Certificate in Business

- **Python, Java, C, Data Structures, Algorithms, Databases**

EXPERIENCE

L3Harris | Halifax, NS

Software Engineering Intern | May-August 2019

- Built a data management and tracking website used by >250 users consisting primarily of the Canadian Forces using the **Django** web framework with **HTML** and **CSS** templates, and a **MongoDB** database.

Glen Haven Manor | New Glasgow, NS

App Developer | June-September 2020

- Built a cross-platform rating app for products being tested in Glen Haven's Living Lab using **React.js**. The app is used by ~200 employees and product manufacturers.
- Conducted a needs assessment and used a **GANTT chart** to organize the project.

QMIND

Integration Lead | AI Notification Manager | August 2020 - Present

- Working with app development and model development teams to integrate the model into our web application.

Frontend/Data Science | DAIR Perception Team | September 2019-May 2020

- Worked on an object avoidance research project using **computer vision** and **machine learning** to test innovative solutions to autonomous driving. Built a demo website and wrote scripts to communicate with our robot using **Django** and **Python**. Source controlled using **Git**.

Canadian University Software Engineering Conference

Logistics Coordinator | April 2020-Present

- Hosting CUSEC virtually for the first time, giving us opportunities to reach additional students from Canada and internationally. Responsibilities include negotiating contracts for an online platform and swag and managing the online platform and all speakers and sponsors.

PROJECTS

- Built a hierarchy using enumerated types to classify fasteners and determine price. This was written in **Java** for my Introduction to Computing Science II class incorporating encapsulated classes and Junit testing.
- Built a ticket buying and selling application using **Flask** for my Software Quality Assurance class group project. This included many frontend test cases and a few backend and integration test cases.

References Available Upon Request

TEMITAYO ODUYEMI

tayo.oduyemi@queensu.ca | 647-627-6064 | <https://www.linkedin.com/in/temitayo-oduyemi>

EDUCATION

Bachelor of Applied Sciences in Computer Engineering, Queen's University, Kingston, ON 2018 – Present

- **Course Work:** Computer Architecture, Information Structures with C programming, OOP, Algorithms
- **Technical Skills:** Python, Raspberry Pi, C, C++, Arduino, Java, HTML/CSS/JavaScript, React/Angular/Bootstrap, Git/GitHub, Supervised/Unsupervised Machine Learning, Microsoft Office

PROFESSIONAL EXPERIENCE

Front-End Intern, achu health, Toronto (Remote), ON

Summer 2020

- achu health is a health technology start-up offering a predictive health platform (Android, IOS, & Google Play) that tracks user's vital patterns to warn of impending future illnesses, using its patent pending ML algorithm
- Developed front-end user interfaces for workplace health & wellness app and company website using Angular & Bootstrap
- Adhering to Agile methodology, constantly interfacing with 100+ clients and users to implement feedback and maximize user experience while working on \$50,000 IOS consumer app program for summer term

Co-Founder, Queen's Jacket Bursary Initiative, Kingston, ON

2019 – 2020

- Created a charity to help finance broad student participation in Queen's Engineering's long-standing jacket tradition
- Collaborated with faculty and alumni networks to garner interest in charity through integration of fundraisers into faculty-wide events, fundraising approximately \$10,000 for club over a target goal of \$5000
- Launched a mentorship program matching over 100+ Queen's alumni with students to benefit from program initiative by providing valuable academic and career guidance

EXTRACURRICULAR EXPERIENCE

Director of inQUBate, Queen's Machine Learning & AI Hub (QMIND), Kingston, ON

2019 – Present

- [inQUBate](#) is Queen's AI incubator fostering innovative solutions constructed by cross-functional undergrad cohort teams
- Leading a 10-person team to administer a comprehensive program through feedback of inaugural year; Devised an industry-approved 5-stage curriculum unifying both technical and entrepreneurial education and ensuring a hands-on experience
- Established inQUBate's Advisory Board, consisting of 4 faculty and industry professionals to bring as much experiential value and Professional Development opportunities to cohort program through 5 new sponsored industry events
- Strategizing year-end pitch competition for country-wide applicants, sourcing over \$12,000 in funding for prize winners

Deputy Chairman & Chair of Policy Committee, Engineering Society Advisory Board

2020 – Present

- Guiding the Engineering Society's long-term strategic planning and governance of Society's corporate initiatives, including The Tea Room, Campus Equipment Outfitters, Clark Hall Pub, Science Quest Summer Camp and iCons (building supervisors)
- Constructed EDII practices and governance alongside Engineering Society representatives for target date of June 2021
- Assessed corporate policies of the Society pertaining to management, staffing, & compensation, streamlining implementation procedures and timelines by over 35%

School President, Lorne Park Secondary School, Mississauga, ON

2017 – 2018

- Elected to position as student activity counsel's president, taking full responsibility of school events, arranged allocation of funds to all registered school clubs, distributing a budget of \$16,000 based on need and benefit to a diverse student body
- Implemented school's inaugural mental health strategy, making mental health resources accessible through 50+ displays around school, websites, social media, and professional seminars
- Headed a team of 24 peers to plan and deliver events to student body, such as reintroducing school's first semi-formal in 8 years and expanding Cancer Awareness Week programs to donate over \$12,000 to local children's hospital

ADDITIONAL INFORMATION

- **Delegate** – Canadian Undergraduate Conference on Artificial Intelligence
- **Languages:** Currently learning French (6 years of experience) and German (3 years of experience)
- **Specialized Training:** Project Management (certificate candidate), MIT Disciplined Entrepreneurship Program
- **Projects:** Building an interactive smart mirror on raspberry Pi platform, with applications programmed in Python/C++
- **Hobbies:** Powerlifting, NBA, Reading (Favourite Series: Wheel of Time), crossing items off bucket list

TRISTAN UNDERWOOD

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EDUCATION

- Bachelor's Degree**, Queen's University, Kingston, ON 2018 – Present
- Major in Applied Economics
 - Certificate in Business from the Smith School of Business
 - Club Member InQUBate – Canada's first student-run AI startup incubator
 - Club Member of Queen's Pre-Law Society

- Ontario Secondary School Diploma**, Lorne Park Secondary School, Mississauga, Ontario 2014 – 2018
- Silver & Bronze Key Award – Combination of academic success and extracurricular involvement
 - Ontario Academic Scholar
 - Academic Honour Roll all 4 years

PROFESSIONAL EXPERIENCE

- Distribution Specialist**, Tricor Distribution Inc, Mississauga, ON 2017 – Present
- Provided support in sales at trade shows such as the Baby Time Show
 - Prepared marketing materials and update website, conducted market research for new products with full cost analysis
 - Strong work ethic combined with great verbal communication skills

- Freelance Woodworker**, Self Employed, Mississauga, ON Summer 2020
- Leveraged prior knowledge in this industry to create work during the COVID-19 pandemic
 - Consult, plan, design, and construction of fences, decks, and gates for houses in my neighborhood

- Co-op Student**, THN Media, Mississauga, ON January 2017 – June 2017
- Focused on updating Community Captured magazine website
 - Worked with head of web design on editing site and posting articles using WordPress
 - Strong collaboration skills learnt from first time in an office environment

- Team Member/Sales**, Ontario Board & Lion Bubble Sports, Mississauga, ON 2018 – 2019
- Worked at Canadian International Auto Show for both companies running events and conducting sales
 - Often working with children teaching how to use products
 - Strong verbal communication skills used to make sales and communicate with customers in a crowded environment

EXTRACURRICULAR EXPERIENCE

- hackHer**, Queen's Women in Computing Hackathon, Kingston, ON November 2020
- 24-hour hackathon in team of 4 worked with team in ideation, presentation, and design
 - Great teamwork opportunity to work together under time pressure

- InQUBate Cohort Member**, InQUBate, Kingston, On August 2020 – Present
- AI focused incubator, create a venture into the field of AI in small teams of likeminded students
 - Working with 1 other student building the business end of the project

ADDITIONAL INFORMATION

- Delegate – Model United Nations
 - SSUNS Representing Venezuela & Estonia (2016, 2017), Montreal, QC
 - CAHSMUN Representing MP for Doncaster Central (2017), Vancouver, BC
 - UTMUN Representing France (2018), Toronto, ON

VARUN BOPARDIKAR

📍 481 CHERRY AVE, LOS ALTOS, CA, 94022, UNITED STATES ☎ 650-842-0523

◦ DETAILS ◦

481 Cherry Ave, Los Altos, CA,
94022, United States
650-842-0523
vbopardi@gmail.com

◦ LINKS ◦

<https://github.com/vbopardi>

◦ SKILLS ◦

Python (Pandas, NumPy, Scikit-learn)

R

SQL

PostgreSQL

Machine Learning

Microsoft Power BI

Salesforce

👤 PROFILE

I am a junior at Pitzer College majoring in data science. Currently seeking an internship in data science/analytics or a related field for summer 2021.

💼 EXPERIENCE

Project Lead at P-ai, Claremont, CA

February 2020 — Present

- Lead team of 6 undergraduate students to build a machine learning model that predicts the estimated time of completion (ETC) of Los Angeles #311 service requests using Python. Collaborate with Hack for LA to deploy model on public platform for LA residents to use.
- Built pipeline in Python to generate datasets containing arrest counts, crime counts, police stop counts, and service request counts for each region in Los Angeles between 2017 and 2019.

Machine Learning Research Intern at Keck Graduate Institute, Claremont, CA

June 2020 — August 2020

- Developed text classification model in Python to predict whether a tweet is pro-vaccine or anti-vaccine. Achieved ~85% accuracy.
- Member of an 8-person research team studying the evolving discourse around the risks and benefits of vaccines.

Teacher Assistant at Pomona College, Claremont, CA

September 2019 — December 2019

- Assisted professor with grading homework assignments for Statistics with Lab course.

Software Engineering Intern at MLSListings Inc., Sunnyvale, CA

June 2019 — August 2019

- Tested the migration of the MLSListings Salesforce platform from Classic to Lightning. Collaborated with cross functional groups (Customer Service, Compliance, Finance) to create and improve workflows, page layouts and reports in Lightning.
- Researched and integrated 3rd party AppExchange tools with Lightning that did not come out of the box.

🎓 EDUCATION

Data Science, Pitzer College, Claremont, CA

GPA: 3.74

September 2018 — Present

Relevant Coursework (* currently enrolled)

*Data Structures and Algorithms

*Monte Carlo Methods

*Introduction to MATLAB

Statistical Theory

Introduction to Data Science

Discrete Mathematics

Probability

Multivariable Calculus

Linear Algebra

Introduction to Computer Science

Varun Lodaya

Computer Science and Statistics Student

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 github.com/Veyron2121

 varun.lodaya@mail.utoronto.ca

About me

Motivated, self-driven student with a strong academic record. Committed to life-long learning and has a passion for pushing the boundaries of Machine Learning.

Languages

Python



HTML5, CSS3, JS



Java



PostgreSQL



C



C#



Libraries

PyTorch & NumPy



SciKit-Learn



Keras



Other skills

Operating Systems and Languages:

Linux, Windows, Android, iOS, R, Shell Scripting, Sass, Bash, Node.js

Tools: Git, Agile Methods, CircleCI, Figma, Unity3D, JIRA, IBM Watson Studio, Expo, Heroku, JSON, UML, Word, PowerPoint, Excel, Outlook

Limited Working Proficiency in French (DELF B2)

Education

University of Toronto

GPA: 3.96/4.0

Computer Science Specialist, Statistics Major (Intended Grad: 2023)

Awarded the University of Toronto Scholar Award, Donald C. Ainslie Leadership Awards in University College, two-time C. L. Burton Open Scholarship, two-time Dean's List Scholar.

Relevant Coursework

- Data Structures and Algorithms
- Intro to Machine Learning
- Linear Algebra
- Statistics and Probability
- Neural Nets and Deep Learning
- Intro to Artificial Intelligence

Research Experience

People, AI, and Robotics Lab

August 2020 - Present

Undergraduate Researcher - Conduct Computer Vision and Reinforcement Learning research in Hand-Object Pose Estimation under Prof. Animesh Garg at the Department of Computer Science at UofT and the Vector Institute. More information can be found at <https://www.pair.toronto.edu/>.

Relevant Work Experience

Full Stack Engineer - UoT Blueprint

September 2020 - April 2021

- Work with a team of peers at a UoT Student Group to develop full-stack software solutions either for internal use or for external organizations.

Data Science Intern - Gulf Business Machines

May - June 2019

- Explored IBM Watson Studio's components, presented use cases and features to a team of Data Science and AI Analytics Professionals.
- Develop Streaming Analytics projects using IBM's Watson IoT Platform and to develop Proofs of Concept for Preventive Maintenance Applications.

Projects

Untangle Money

Team Size: 5

Tools: React, d3.js, Google Firebase, Express.js, Node.js

Designed, built, and deployed a full-stack mobile-responsive web application for Untangle Money, an organization that aims to promote financial literacy for women aged 20-30. Full Stack + Responsible for Product Management.

Autonomous Vehicles with DQNs

Team Size: 3

Tools: Python (Keras), Unity, C#, NetMQ

Replication of a paper that explores using Deep Reinforcement Learning agents created in Keras to create an autonomous car that responds to raw sensory inputs, which are evaluated in a custom made Unity3D environment.

Deafenders

Team Size: 4

Tools: Python, HTML/CSS/JS, Flask, Google Cloud API, OpenCV

Developed a speech to American Sign Language Framework. The project was submitted to UoTHacks VII (hackathon) and was given the EPAM Engineering Excellence Challenge award.

Activities, Interests and Achievements

Earned the International Baccalaureate Diploma, scoring second highest in class.

Student Government and Leadership

Vice President and Deputy Director of Community and Outreach of the University College Residence Council, which oversees 700 students at UofT, and Middle Year Representative on a council which oversees over 4000 students.

Co-President and Research Team member at UofTAI.

Hobbies

Ultimate Frisbee, Reading, Video Games, and Table Tennis

VIMAL MAKENTHIRARASA

Mississauga, ON, CA · vimal.maken@gmail.com · 416-806-4856 · v maken.dev · Canadian Citizen

SKILLS

| | |
|-------------|-------------------------------------------------------|
| Languages: | Python, Java, Javascript, HTML/CSS, SASS, SQL, PHP, C |
| Frameworks: | React.js, Node.js, Bulma, Tailwind |
| Tools: | Git, Linux, Jira |

EDUCATION

Bachelor of Science | Specialization in Computer Science London, ON
The University of Western Ontario Sep 2018 – May 2022

- CS 2210 – Data Structures & Algorithms
- CS 2211 – Software Tools & Systems Programming
- CS 3319 – Databases I

PROJECTS

Home Security System | C++, OpenCV github.com/VimalMaken/Home-security-system

- Worked with a team to create a system that uses facial recognition to detect a user as known or unknown and carry out certain actions accordingly.
- Implemented system for saving screenshots of unwanted activity

Simple Invest | React, Express.js simple.v maken.dev

- Developed a financial app with a team of four during HackWestern 2020
- Created front end designs using react, Bulma, forms using formik
- Implemented authorization and content validation

OOBER plus | React, Firebase devpost.com/software/ooberplus-b4qmdz

- Developed a Ridesharing app with a team of four during BorderHacks 2020
- Won 3rd place at BorderHacks 2020
- Built a website with search, authorization, and content validation

Productivity Timer | React, Electron, Sass github.com/VimalMaken/productivity-timer

- Created a productivity desktop app using electron, styled with scss
- Distributed app using electron builder to make it an executable file ready for download

Price Alert | Javascript, node.js, axios, cheerio github.com/VimalMaken/Price-Alert

- Made a program to keep users up to date with online deals

Vishal Badam

1571 Angus St., Innisfil, ON L9S 0J9 / 647-203-0380

badamb@mcmaster.ca / linkedin.com/in/vishalbadam / github.com/badamb

TECHNICAL SKILLS

- Python: (NumPy, Pandas, Seaborn, Matplotlib, Plotly, PySpark, SciKit-Learn, TensorFlow), SQL, R, SAS
- Hadoop, Power BI, AWS, GIS, MS office (Excel, Access, SharePoint)

DATA SCIENCE PROJECTS

Advertising Project

- Used SQL to gather data of user's clicks on ADS and cleaned that data to create samples for python
- Used Seaborn for exploratory data analysis to compare variables to age through data visualizations
- Used SciKit-Learn to split the data into training and testing sets to train a logistic regression model
- Created a model that can predict if a user will click on an ad based off the features of that user

Forecast Analysis

- Used Python to construct a nonlinear mathematical model between forestry usage and human population to analyze the relationship
- Ran numerous model simulations and used stability analysis to reduce the error from the existing model to predict accurate forecast values

Ecommerce Project

- Gathered customers data to gain statistical information to help a company pursue their efforts on a mobile app or a website for their store products
- Used Seaborn to conduct exploratory data analysis to compare time spent on website and yearly amount spent
- Used SciKit-Learn to split the data into training and testing sets to train a linear regression model
- Evaluated the performance through statistical features and reported the data back to the company for them to decide based off their costs and investments

WORK EXPERIENCE

Policy Analyst Co-op

Jan 2020 – April 2020 | Ontario Growth Secretariat, Toronto, ON

- Used Power BI to create interactive visualizations on housing prices respect to area and used R to predict future prices of housing
- Gathered and reported structured data through SQL and analyzed data to formulate evidence-based policies
- Integrated a stakeholder database between Microsoft Access with SharePoint to allow interconnectivity throughout the OGS division

EDUCATION

Honours Mathematics and Statistics (Statistics Co-op)

Expected: April 2022 | McMaster University, Hamilton, ON

Relevant courses:

- Math & Stats: Intro to Modelling, Mathematical Statistics, Applied Regression Analysis, Intro to mathematical computation, Intro to data science theory, stochastic processes, cryptography

WILL STEWART

willjgstewart@gmail.com | 647-880-0728 | <https://www.linkedin.com/in/willjgstewart>

EDUCATION

- Bachelor of Commerce**, Smith School of Business, Queen's University, Kingston, ON 2018 – Present
- Dean's List student through first two years
 - Cumulative GPA of 3.63
 - Received Excellence Scholarship for attaining average between 90%-94.9% in high school

- Ontario Secondary School Diploma**, Malvern Collegiate Institute, Toronto, ON 2014 – 2018
- Balmy Beach Club Award: graduation award for student best demonstrating athletic contribution, and scholarship
 - Powell Memorial Trophy: graduation award for male student best demonstrating athleticism, character, and leadership
 - PUYNI Award: awarded to player on varsity hockey team best demonstrating teamwork, leadership, and skill (2017)
 - Sports and Entertainment Marketing Award: subject award for student with highest final grade (97%) in course (2017)
 - Ontario Academic Scholar: awarded to grade 12 students with final average above 80% (2018)

PROFESSIONAL EXPERIENCE

- Finance Support Intern**, GS1 Canada, Toronto, ON Summer 2019
- Created contract management spreadsheet with relevant administrative and financial information of over 100 contracts with company's service providers
 - Initiated implementation of contract management software to increase efficiency of contract management process
 - Collaborated with legal counsel to ensure accuracy of contract information and develop business process map for contract management software
 - Effectively communicated upcoming contract renewals to department vice presidents through preparation of department-specific reports

- Camp Counselor**, Branksome Hall Day Camp, Toronto, ON Summers 2016 – 2018
- Used creativity and superior knowledge of sport to design innovative games and activities that adapted to different interests
 - Implemented leadership skills by leveraging differing strengths of coworkers to maximize effectiveness of activities

- Referee**, Ted Reeve Hockey Association, Toronto, ON 2014-2018
- Exercised authority and integrity making quick judgment calls regardless of player/coach/crowd reaction
 - Communicated expectations and reasoning with players, coaches, and parents to improve understanding and satisfaction

EXTRACURRICULAR EXPERIENCE

- Logistics Coordinator**, Canadian University Conference on Artificial Intelligence, Kingston, ON 2020 – Present
- Planned itinerary of 500 person conference with hotel and facility managers
 - Negotiated 50% decrease in prices of accommodations, food, and A/V to fit costs within conference budget
 - Adapted from in-person to online conference by adjusting itinerary and carefully researching online conference hosting platforms

- Vice President of Sponsorship**, Autism Speaks Canada Queen's University, Kingston, ON 2019 – Present
- Created sponsorship package for inaugural Autism Speaks Canada Walk and Car Parade in Kingston
 - Analyzed organizational sponsorship needs and established 3 distinguished sponsorship levels to give sponsors flexibility
 - Acquired 10 sponsors for inaugural Autism Speaks Canada Walk
 - Persuaded employees, managers, and owners of local and multinational businesses to form mutually beneficial partnerships

ADDITIONAL INFORMATION

- Avid writer with a personal blog (link: willjgstewart.wixsite.com/stewsnews)
- Programming languages: Python



WILLIAM DU

williamdu712@gmail.com | (905) 865-8784 | 5 Renata Ct Dundas, ON L9H 6X1
<https://www.linkedin.com/in/william-du-694194153/>

EDUCATION

Bachelor of Applied Science and Engineering, Queen's University, Kingston, ON 2018 – 2022

- Relevant Courses:
 - Discrete Math W. Comp Eng. Appl (A)
 - Microprocessor Systems (A+)
 - Operating Systems (A+)
 - Fundamentals of Information Structures (A+)
 - Introduction to Object Oriented Programming (A+)
 - Algorithms I (B)
- GPA:
 - Overall: 3.38
 - Of Relevant Courses: 4.02

Ontario Secondary School Diploma, Appleby College, Oakville, ON 2012 – 2018

- Academic accomplishments/awards:
 - AP Scholar with Distinction
 - Received a mark of 4 on the AP Computer Science A

PROFESSIONAL EXPERIENCE

Project Manager, TiMa Time Management Project 2020

- Used C++ to lead the development of the time management software TiMa to help University students organize their time and stay motivated during the Covid-19 pandemic.
- Designed majority of API interface of the running algorithm and database server.
- Arranged and hosted development meetings for updates of the workflow utilizing Jira and Confluence for task deadlines.

AI Developer/Analyst, Queen's University Artificial Intelligence Hub 2019 – 2020

- Worked on a project to predict the number of patients a hospital should expect in the future through machine learning and neural networks.

Administrative Assistant, McMaster Hospital, Hamilton, ON 2016 – 2017

- Helped with assist multiple offices with tasks at the McMaster University Medical Center such as running errands and assisting patients.

EXTRACURRICULAR EXPERIENCE

Engineering Assistant, Queen's University, Kingston, ON 2018 – 2019

- Developed suspension system using Solid Works CADing software for 3 robot vehicles.

School Ambassador, Appleby College, Oakville, ON 2016 – 2018

- Lead multiple groups at a time and resolved unexpected problems which arose during the tour, improving problem-solving skills.

ADDITIONAL INFORMATION

- Language proficiencies: English, Mandarin, French, and Spanish
- Programming Skills: 6 years of Java, 2 years of C/C++, 1 year of Python, 1 year of Nios II Assembly, 1 year of Android Studio
- Additional Skills: Great communication, leadership, problem-solving, and interpersonal skills

XIN RUI LI

(514) 576-9556 – li.xinrui3@gmail.com – <https://github.com/xinxin001> – <https://www.kaggle.com/xinxin001>

EDUCATION

McGill University September 2018 - April 2022
B.Sc. in Computer Science

EXPERIENCE

- Created websites and tools on the Microsoft **Sharepoint** platform
 - Developed better documentation reading/writing skills, after working with **Microsoft SPFx** and **TypeScript**
 - Developed the a platform to handle the recruiting process for the Commission Scolaire de la Baie-James using **Angular**. Also created a platform to handle their expenses and finances using **React**
 - Deployed applications on **Azure**

- ❖ Directed and created an internal company tool called OKR-Tool alone, over the course of 2 months:

<https://github.com/xinxin001/OKR-Tool>

- Web tool used by supervisors to set objectives for their teams and for team members to track and update their progress. It has a **Basic Authentication** login, and other features and metrics
 - Created front-end using **ReactJS**. Created backend using **NodeJS/ExpressJS**. Deployed on the company private **IIS** server
 - Wrote scripts for the company database, added features and removed bugs from company web tools using **C#**
 - Familiarized myself with the AGILE and MVC development model

PROJECTS

More details about my projects can be found on: <https://xinxin001.github.io/>

PROPER PARK — MOBILE APP — POLYHX 2019 (FIRST PLACE)

devpost.com/software/proper-park-mw0h6e

- The app's goal is to decipher confusing parking signs with a single cellphone snapshot through Machine Learning
 - Experimented with Phone Gap but settled on **React Native** in order to create the mobile interface for iOS and Android

LEGENDS OF ANDOR — UNITY MULTIFLAYER GAME
by United Games in 2014 | 1.264 |

- Videogame Adaptation of the turn based board game of the same name
 - Implemented multiplayer networking using **Photon**
 - Features include: Turn based combat and actions, Multiple hero classes, Multiple enemy types, Usable items and inventory

ARTISTIC ANIMALS — WEB APP — MCGILL ARTIFICIAL INTELLIGENCE SOCIETY

<https://github.com/xinxin001/ArtisticAnimals> (Blog)

- <https://xinxin001.github.io/ArtisticAnimalsWebApp/> (Demo)

 - Generates synthetic images of dogs using a **Generative Adversarial Network (GAN)**
 - Images can then be transformed into an art style using a **Convolutional Neural Network** style transfer (ex: Picasso)

LARGEST DIGIT CLASSIFIER

<https://github.com/xinxin001/LargestDigitClassifier>

- A classifier using **Convolutional Neural Network** to detect the largest handwritten digit in an image, 96% accuracy

SKILLS

Programming Languages: **Javascript, Java, Python, C#, C, C++, Bash, Rust**

Tools and Technology: **Git, Microsoft SPFx/IIS, SQL, Node/ExpressJS, ReactJS, TypeScript, Linux**

Languages: English, French, Mandarin

EXTRACURRICULAR

MCGILL ARTIFICIAL INTELLIGENCE CLUB — MEMBER *2020 – PRESENT*
MIXED MARTIAL ARTS — BRAZILIAN JIU JITSU — MUAY THAI *2017 – PRESENT*

Yassine Boutahar

 <https://boutahar.dev>

 yassine@boutahar.dev

 [YassineBoutahar](#)

EXPERIENCE

Amazon Inc.

Software Development Engineer Intern

Remote - Toronto, ON

Summer 2021

- Accepted an offer of employment for Summer 2021 from Amazon as an SDE intern

Department of National Defence

Full Stack Developer Intern

Remote - Ottawa, ON

Jan 2021 – Present

- Working on a suite of internal projects backed by Java, Spring Boot, Typescript and React among others

Signiant Inc.

Full Stack Developer Intern

Remote - Ottawa, ON

Sep 2020 – Dec 2020

- Implemented various frontend dashboard tools in **React** used across multiple client-facing products
- Created an **AWS lambda** to process user status events and relay relevant information to a billing service
- Integrated cloud-based **Elasticsearch** for active and historical user data
- Implemented a **backend API** to pipe a CSV string of user activity history to product's frontend
- Updated and maintained unit, component and automation testing using **Jest** and **TestCafe**

Apption Corporation

Full Stack Developer Intern

Remote - Ottawa, ON

May 2020 – Aug 2020

- Created **Node.js** based end-to-end testing suite using TestCafe to robustly verify rendered DOM integrity
- Designed and implemented **SQL** backed survey using Blazor with validation and confirmation screens
- Built a file upload service in **.NET Core C#** with Blazor frontend to manage user documents
- Created an internal license generator **C#** tool with dynamic **Blazor** frontend for variable client permissions
- Added a careers section and redesigned page footer for company's **React** site

BD2I Inc.

Software Developer Intern

Toronto, ON

May 2019 – Dec 2019

- Developed a multi-panel dynamic mobile application using **Swift 4** and **Java**
- Created and managed a mobile login/sign-up system with dynamic text entry using **Firebase**
- Implemented native media players into app to stream content from URLs and local files
- Built a **face detection** sequence in Swift to perform action upon user introduction

EDUCATION

Carleton University

Ottawa, ON

BCS (Honours) Computer Science / GPA: 11.30/12

Sep 2018 - Apr 2022 (Expected)

SKILLS

- Programming languages: Java, Python, Javascript, C, C++, C#, Blazor, React, React Native, Swift, Typescript
- Tools and technologies: MongoDB, PostgreSQL, Node.js, Firebase, NET Core, PyTorch, TestCafe, Jest, Google Cloud Platform, AWS Lambda, Spring Boot

PROJECTS

Find Living Space *Node.js, MongoDB, Python, React*

More at www.boutahar.dev

Helps students find affordable housing within accessible distance of their work/university

- Populate MongoDB database with listings scraped from many renting sites using a Python script
- Dynamically plot accessible houses on a map using MapBox API
- Calculate walking distance between coordinates using Google Maps API
- Query Mongo database for listings that match user-defined criteria

SpotiBio *Node.js*

Updates your Instagram profile at a set interval to reflect your current or last played song on Spotify

- Provide custom login to Instagram account and integrated Spotify login
- Query user's current or last played song using Spotify API at continuous interval
- Update user's Instagram account's profile picture, biography and URL to match song

Zedian Xiao

✉ zedian.xiao@mail.mcgill.ca

 zedian  zdx0401

SUMMARY

Programming Languages: Python, Java, C/C++, OCaml, JavaScript, TypeScript, Shell, \LaTeX
Technologies: Scikit-Learn, PyTorch, Keras, Plotly, Flask, Git, Elasticsearch, Node.js, Azure, Linux
Web Development Tools: HTML, SASS, ReactJS-TS
Languages: English, French, Chinese (Mandarin)

RESEARCH

Intrinsic Dimensionality

Supervisor: Masoud Asgharian, Professor, Dept of Math & Stat, McGill University

Montreal, QC

May 2020 – Aug 2020

- Worked on an estimator for intrinsic dimension.
- Presented research at McGill Statistics Seminar.

WORK EXPERIENCE

Data Science Intern :: Intact Lab

Technologies: Python, Plotly, Scikit-Learn, XGBoost, Jenkins, Kafka, Elasticsearch

Montreal, QC

May 2020 – Aug 2020

Project: Car Recommendation Platform

Recommendation platform used by claim adjusters

- Improved search queries on internal search platform using similarity metrics such as TF-IDF.
- Analyzed and developed product features according to business requirements.
- Communicated new features and data insights to stakeholders.

Project: Loss Cost Modelling

Jan 2020 – May 2020

New algorithms to quantify loss cost of insurance policies

- Proposed new design for a widely used internal machine learning library.
- Improved standardization of usage of tools for modelling and increased maintainability of a standard machine learning pipeline.

FullStack Software Development Intern :: UMAknow

Technologies: JavaScript, TypeScript, React, Node.js, SASS, SPFx, Azure, O365 CLI

Montreal, QC

May 2019 – Sep 2019

Various projects: Chatbots and SharePoint extensions

User-centered solutions on SharePoint

- Built SharePoint extensions and automated their deployment using Azure CLI scripts.

PROJECTS

NLP Project

Technologies: Python, PyTorch, Transformers, Plotly

Montreal, QC

Oct 2020 – Dec 2020

Project: On the Ability to Generalize of Natural Language Meta-learners

Compare BERT models on the relation extraction task

- Conducted comparative analysis on the performance of BERT-PAIR, a few-shot learning model, and REDN a fine-tuned model on BERT on the task of relation extraction. Found that BERT-PAIR performs better on SemEval, NYT10 and PubMed for very small amounts of data.

McGill CodeJam

Technologies: Flask, DistilGPT2, Microsoft Cognitive Services, Python, PyTorch, Spotify API

Montreal, QC

Nov 2019

Project: Storify

Collaborative story writing application that supports meaningful recommendations

- Built both text-based and music-based recommendation features for collaborative story writing.

EDUCATION

B.Sc Candidate in Mathematics and Computer Science :: McGill University

Montreal, QC

GPA: 4.0/4.0

Sep 2018 – Exp. Apr 2022

- **Faculty of Science Scholarship Recipient:** Top 5% Faculty of Science
- **Dean's Honour List:** Top 10% Faculty of Science
- **Industrial Practicum:** Science Internship Program
- **Student Societies:** Technical Project Manager at McGill AI

ADAM FARLEY

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EDUCATION

Queen's University

BASc. Applied Mathematics & Computer Engineering – GPA 3.37

September 2017 – December 2021 (expected)

Kingston, Canada

- Specialized discipline focused on rigorous problem solving within the realms of Computer Engineering and Applied Mathematics
- Course subjects include: Probability, Stochastic Processes, Machine Learning, Data Analytics, Control Theory, and Information Theory

SKILLS

- Languages: Python, Java, C++, C#, VBA, French
- Libraries & Frameworks: AWS Serverless Application Model, numpy, pandas, scikit-learn, NLTK, gensim, Unity3D's MLagents
- Technologies: AWS (Cloud Practitioner), Azure DevOps, Bitbucket (+ Pipelines), Confluence, Jira, Bitbucket, SQL, Git

PROFESSIONAL EXPERIENCE

QMIND – Queen's AI Hub

October 2019 – Present

Project Manager (2020), Design Team Member (2019)

Kingston, ON

- QMIND is Canada's first and largest undergraduate AI organization with over 200 members and 30 client facing consulting teams
- Led the sale of a six-month consulting contract between QMIND and RBC Direct Investing to develop an end-to-end NLP topic modelling pipeline that shows investors which news topics are being talked about the most online (2020)
- Developed a regression-based model to predict NFL fantasy point performance based on historical data. Predictions had a median absolute error of 10 fantasy points (2019)

Queen's University

April 2019 – Present

Teaching Assistant (four roles) – Complex Problem Solving, Engineering Design, Calculus I, and Calculus II

Kingston, ON

- Currently conducting weekly calculus tutorials for over 50 students and managing 4 teams in the design of handwritten digit analysis algorithms
- Provided project management and technical guidance to over 100 first year students while they solved their first engineering design problems
- Received end-of-year feedback in which 90% of students agreed or strongly agreed that I showed excellent leadership and communication skills

Slalom Consulting

Summer 2020

Cloud Analyst || Technology Enablement

Toronto, ON (Remote)

- Developed a Career Development tool for all 9000 Slalom employees as part of a cross-functional Agile team. Project was high visibility and involved regular feedback from C-Suite executives
- Designed and built both frontend and backend CI/CD pipelines that each deployed to multiple environments with 15-min deploy time to production
- Presented a technical deep dive on cloud and serverless microservice architecture to Cloud experts both in and outside of Slalom
- Led the development of a deep reinforcement learning model that placed first in an Amazon DeepRacer competition across Slalom's Toronto office

RBC

Summer 2019

Financial Analyst || Wealth Management Finance

Toronto, ON

- Discovered the need for a Jira/Confluence based project management solution within Financial Regulatory Reporting, generated initial designs, and gave a well-received proposal to the Finance Senior Management Team. Beginning stages of implementation started as the summer ended
- Generated financial news reports and collected key financial figures on a weekly basis to be distributed across the WM Finance platform
- Streamlined the output generation process of WM Finance's stress-testing model by 30x using Excel Macros. Also conducted a current-state analysis to provide insight on a potential migration to a regression-based model

Ford Motor Co.

Summer 2018

Outbound Operations Supervisor || National Parts Distribution Centre

Bramalea, ON

- Monitored the order preparation process for a national parts distribution centre. The order preparation team consisted of 60 unionized employees who prepped approximately \$3M CAD in orders each day
- Ensured all orders were picked on time and that all operations adhered to safety best practices. Achieved on target delivery timeliness of 97%

OTHER PROJECTS

- Currently developing a Deep RL model that coordinates robots in an automated warehouse to maximize throughput.
- Currently designing an RL based bot that can play the card game Euchre at close to human levels
- Designed a Deep RL model in Amazon DeepRacer that placed 1st among Slalom employees in a Canada wide competition.
- Designed an algorithm to evenly distribute artificial snow on a mountain 3-4x faster than conventional methods.

Adam Grace

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<https://www.linkedin.com/in/adam-grace-451336183/>

PROFESSIONAL PROFILE

Fourth year engineering physics student exploring exciting career and research opportunities in engineering, optical physics and machine learning fields.

EDUCATION

Queen's University, Kingston, ON

Bachelor of Applied Science in Engineering Physics, Computing Sub-Plan Sept. 2017 - Present

- Researching the potential applications of neuromorphic computing in solving partial differential equations and training deep neural networks
- Leveraging real-time digital signal processing to create a 1-dimension active noise cancellation device with a small team of peers
- GPA: 3.62 (cumulative total since enrollment)
- Expected graduation in April, 2021

WORK EXPERIENCE

Baffinland Iron Mines Corporation, Mary River Mine, NU May 2020 – Aug. 2020

Water Treatment Plant Co-op Student

- Assisted in the partial redesign and significant reconstruction of the water treatment plant following the destructive collapse of the plant's enclosing structure
- Maintained and operated a three stage water treatment system to successfully control the pH and turbidity of the mine's pit water and waste rock runoff

Queen's University, Kingston, ON May 2019 - Aug. 2019

Cryogenic Underground TEst (CUTE) Facility Summer Student

- Worked as an integral team member for the CUTE facility, which provides the necessary low-background, low-temperature environment for dark matter research projects such as SuperCDMS to develop and validate their detectors
- Underwent extensive training to visit the CUTE facility in SNOLAB and participate in preparations for mounting the first ever SuperCDMS detector tower
- Designed and analyzed a new concept for high purity germanium detectors using a spherical geometry to achieve better energy resolution

Stackpole International, Mississauga, ON May 2018 - Aug. 2018

Advanced Engineering Group Summer Intern

- Designed and executed numerous electric motor and oil pump characterization programs to collect data from various temperature, pressure, motor speed and flow rate sensors

TECHNICAL SKILLS

Programming Languages: Python, C, C++ and Java

Simulation Tools: COMSOL Multiphysics and OrCAD PSpice

Other Software: Microsoft Office, MATLAB and LabView

LEADERSHIP AND ACTIVITIES

- 2021 Queen's Space Conference – Sponsorship Director
 - Leading a small team to connect potential sponsors from industry with our conference
- The Engineering Society of Queen's University – 2018 Orientation Week Leader
 - Lead incoming students through challenging team-oriented activities
 - Offer academic support and mentoring to first year engineering students

Alastair Noble

www.alastairnoble.org | <https://github.com/AlastairNoble>

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EXPERIENCE

QMIND, Team Lead and Developer

Kingston, ON (Virtual)

Sept 2020 - present

- Leading team of 4 to deliver an AI project for a client of QMIND (Queen's AI hub)
- Building Voiceprint Identification application using deep learning
- Working with Project manager and stakeholders
- Using Tensorflow, Keras, Librosa and more

Amazon, Software Development Engineer Intern

Vancouver, BC (Virtual)

May - Aug 2020

- Built a software infrastructure that automates forecasting for Amazons financial ledger, using machine learning
- Designed prototyped, built and tested the application
- Used Python, YAML, SQL, and many AWS Services to deliver project
- Presented project to 200+ people at Financial Intelligence event (Internal to Amazon)

Queen's University Engineering Society, Software Developer

Kingston, ON

Sept 2019 - April 2020

- Worked as team lead for a team of 4 to deliver a software project for the Engineering Society
- Designed and built a custom game editor for players to build 3D vehicles using a node-based system in Unity
- organized team meetings, tracked individual and team progress, and communicated with manager
- Bi-weekly presentations to showcase work and future directions

Out of Control Games, Co-Founder and Game Developer

Vancouver, BC

April - Aug 2019

- Created and led a team of Engineering students to develop mobile games for Android devices
- Mentored and collaborated with team members on group projects while simultaneously developing individually
- Supervised the deployment of 7 apps to the Google Play store and development of many more
- My personal favorite: <https://play.google.com/store/apps/details?id=comOutOfControlGames.Cars>

EDUCATION

B.A.Sc. Applied Mathematics Engineering (Computing and Communication), Queen's University

April 2021

- Relevant courses: Computer graphics, Linear Algebra, Calculus, Algorithms, Computer Architecture,

SKILLS

Python (Tensorflow, Keras, Scikit-learn, Librosa, numpy, pandas, and more)

C++, C, Java

SQL

AWS CLI and Console (Athena, Lambda, Step Functions, s3, Forecast, Quicksight)

Web Development (JavaScript, Node.js, HTML, CSS, Express, mongoDB, Bootstrap)

EXTRA-CURRICULARS

Queen's Engineering Competition

- Consulting 2018 (2nd Place, qualified for Ontario Engineering Competition)
- Senior Design 2019

Ontario Engineering Competition

2019

QHacks Hackathon

2019, 2020

104 Glenview Avenue

Toronto, ON, M4R 1P8

(416) 822-5152

Alp Turkmen

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Education

Ivey Business School – University of Western Ontario

Master of Science – MSc, Digital Management

2021 - 2022

- Accepted offer of admission, program starts September 2021

Queen's University

Bachelor of Applied Science – BASc, Civil Engineering & Certificate in Business

2017 – 2021

- Dean's Scholar 2019 – 2020
- Principal's Entrance Scholarship

Work Experience

Queen's University

Research & Teaching Assistant

Kingston, ON

September 2020 – April 2021

- Managing a year-long research project on finite element analysis, culminating in a full-length undergraduate thesis.
- Numerically modelling fibre-reinforced concrete and assisting PhD students in lab experiments.
- Assisting instructors by grading reports & providing feedback for a first-year engineering design course.

TD Bank

Digital Marketing Strategy Intern

Toronto, ON

June – August 2020

- Used website data & analytics to audit consumer sentiment in response to the COVID-19 pandemic.
- Presented competitive analyses of key products & services to the Digital, Social & Content Marketing team.
- Researched & implemented a machine learning brand safety measure, adding a custom security layer for ad blocking.
- Analyzed forecasts from Google & Facebook ad platforms to evaluate monthly conversion goals.

Gildan

Corporate Development (M&A) Intern

Montreal, QC

May – July 2019

- Assisted in formulating the company's corporate strategy plan, which was presented to the board of directors.
- Developed financial tools to evaluate Gildan's performance along with new ventures & acquisitions.
- Analyzed an international manufacturing plant acquisition, while planning to meet demand with existing facilities.

Rogers Communications

Device Management Intern

Toronto, ON

May – August 2018

- Project managed the initial phases of a new consumer IoT venture, coordinating both business & technical teams.
- Managed parts of the prepaid phone portfolio supply chain, planning demand and creating assembly requests.
- Supported marketing managers working to rebrand brick-and-mortar & digital retail offerings.

StuLance

Co-Founder

Kingston, ON

March 2017 – August 2018

- Founded a boutique digital media firm to connect student freelancers to opportunities near campus.
- Grew social media-based businesses to over 8000 followers & 2 million video views.

Extracurricular Experience

Queen's Energy & Commodities Association

Senior Analyst

2020 – 2021

- Creating industry reports & participating in workshops based on the finances of renewable energy corporations.

Queen's Faculty of Engineering

Peer Coach & Orientation Leader

2018 – 2020

- Provided tutoring & class-specific mental health support to four engineering & applied mathematics students.
- Welcomed over twenty first year students to Queen's & provided resources throughout the year.

Queen's Global Energy Conference

Web & IT Director

2017 – 2019

- Innovated the conference's online presence, creating a new website & optimizing social media.
- Founded & managed the conference's first digital team, increasing online engagement by 300%.

Additional Information

Skills: Project Management, Data Analysis, Design Thinking, Mathematical Modelling, Communication

Computer: Proficient in Microsoft Office. Working Knowledge of Java, Python, MATLAB, SQL.

Certifications: Google Ads & Analytics, Wharton "Quantitative Modelling for Analysts", Bloomberg Market Concepts

ANA PLEAVA

Email: ana_pleava81@outlook.com | Phone: 647-997-4664 | LinkedIn: [anapleava](#)

SKILLS

- Market and user research
- Using data insights to drive decisions
- Strong leadership and cross-functional collaboration
- Deriving and implementing solutions
- Exceptional written communication and oral presentation skills
- Agile (Scrum/Jira)

EDUCATION

Queen's University, B.A.S, Civil Engineering with business management certificate
Excellence Scholarship with 92% entrance average. Current GPA: 3.74

Sept 2017 – Dec 2021

WORK EXPERIENCE

Junior Product Owner – Scotiabank, Small Business Banking, Toronto, ON

Jan 2021 – April 2021

- Utilized design thinking/agile methodologies to develop an end to end, omni-channel onboarding & product fulfillment experience.
- Responsible for delivering sprint review to key stakeholders, defining and prioritizing the product backlog.
- Identified pain points and created actionable user stories for the development team to support effective sprint cycles on Jira.

Product Manager Intern – Phonic (YCombinator W20), Foster City, CA

June 2020 – Sept 2020

- Conducted A/B Test (n=200) comparing text and audio surveys and published findings in a [report](#) for new user acquisition.
- Created product documentation and demo videos, increasing conversion rate by 18% and reducing customer support time by 45% . .
- Communicated with 30+ Phonic customers to determine UX/UI pain points and enhance user experience.
- Performed SWOT analysis research of 10 competitors in the market to strategize new features for the existing Phonic platform.

Engineering Project Manager Intern – Town of Caledon, Caledon, ON

May 2019 – Sept 2019

- Communicated with client stakeholders to produce status reports on project scope, timelines, budgets, risks and mitigation plans.
- Performed site inspections of town assets including roads, bridges and culverts to prioritize upcoming projects.
- Completed field review reports, project proposals, RFQ documents and payment certificates.

EXTRACURRICULAR EXPERIENCE

Queen's Machine Intelligence and Neuro-evolution Design – Design Member on QMIND

- Developing an interview preparation tool to provide tangible feedback to users, based on facial recognition.

Queen's Women in Science and Engineering – Senior Mentor on QWiSE

- Promoting the involvement of 50+ high school women in STEM through educational workshops and one-on-one mentorship.

PROJECTS

Anti-Shopping System

- Conducted research on how to prevent shoplifting in the campus drugstore by analysing commonly stolen items and methods.
- Proposed and analysed 4 different solutions using cost and feasibility analysis in an evaluation matrix to select the best design.

Cardboard Canoe Design Challenge

- Led a team of 8 to design and test a life size canoe made entirely of cardboard and other recyclable material in 48 hrs.

Andrew Brown

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GitHub: andrewmbrown, 17amb@queensu.ca

A proficient computer engineer fluent in several programming languages. Candidate for Computer Engineering at Queen's University, graduating in 2021. Passionate about Data Science and Machine Learning. Looking to apply and extend computer engineering skills in graduate-level research.

Education

Queen's University, Kingston, ON Class of 2021
Candidate - Bachelor of Applied Science, Computer Engineering

Experience

Research Associate University of Toronto
Toronto, ON May - August 2020
• Supervised by Mathew Hildebrand with Professor Steven Waslander
• Multimodal Object Detection with Uncertainty Analysis - Application for Autonomous Driving
• Pre-processing and Post-processing for Deep learning models - Python

Teaching Assistant Queen's University
Kingston, ON September - December 2019
• Fall-term Teaching Assistant Position for Faculty of Engineering and Applied Science
• Course: APSC 143 - Introduction to Programming for Engineers: C and MATLAB

Extracurricular Activities

Design Team Member Queen's Machine Intelligence Design Team
Kingston, ON Sep 2020 - Current
Developing a ML time-series forecasting model to predict the volatility of a particular stock/option.

Project Manager Queen's Web Development
Kingston, ON Jan 2018 - May 2018
Conducted meetings with clients to determine project intent, requirements and budgets. Managed teams of up to 10 student-engineers to design a website for clubs within TEDxQueensu.

Recent Projects

Fake Face Detector (Python) (<https://github.com/andrewmbrown>):
Using OpenCV and Python, detect a set of real faces vs a set of fake image ones.

Huffman Encoder (Python) (<https://github.com/andrewmbrown>):
A Huffman encoder that creates compressed files from ASCII ones. Using the prefix property of codes and binary trees can encode and decode the files.

Technical Skills

Programming: Python, C, Java, Bash, MATLAB, L^AT_EX.
Data Science: Python with NumPy, Pandas, Scikit-Learn, KNIME
Database Management: MySQL
Applications: Jupyter Notebook, Git, VMWare
Operating Systems: Linux, Windows

Interests

Squash, Guitar, Golf, Fishing, Swimming (Bronze Cross, First-Aid CPR), Travel

EDUCATION

Candidate for Bachelor of Technology (B. Tech)

Sep 2019 – Present

Automation Engineering, Co-op Option
McMaster University, Hamilton, ON

- Current 3rd Year Undergraduate
- Expected Graduation April 2022

SKILLS & HIGHLIGHTS

Languages

- Developed, debugged, and documented programs in languages including **C**, **C++**, **Python**, and **MATLAB** to ensure functionality and understanding, and to analyze and interpret data meaningfully

Technologies

- Formulated models for chemical processing units in steady and unsteady-state conditions using **MATLAB** to solve and optimize given conditions
- Simulated chemical processes using **Aspen Plus** in order to solve problems related to processing, energy, and sustainability
- Created pivot tables and graphs using **Microsoft Excel** to consolidate large amounts of data for reporting
- Designed diagrams, flowcharts, presentations, and documents using **Microsoft Word**, **PowerPoint**, and **Visio** to visually and effectively communicate ideas

EXPERIENCE

Web Developer

June 2019 – Present

BonShine Hats

- Developed an online storefront to allow for an independent business owner's product to be sold using **e-commerce** platform **Shopify**
- Created marketing content using **Google Ads**, **Facebook Ads**, and **Snapchat Ads**, reaching **1.2M impressions** and resulting **25,000 visits in 5 months**
- Collaborated with the owner in order to find the optimal **advertisement budget** by determining which option would provide the most value per dollar
- **Project Link:** <https://bonshine-hats.com/>

Taxpayer Service Agent

June 2018 – August 2018

Canada Revenue Agency

- **Gathered information** from clients to establish the precise nature of their enquiry or request, in order to guide them to the desired solution
- Provided explanations and **clarification to clients** over the telephone in response to enquiries concerning the filing and processing of Ontario Benefits
- Learned techniques and practices used to **operate various computer applications** and systems, including operation of a Text Based Interface program to look up information

Engineering Assistant (Co-op)

April 2017 – August 2017

Intlvac Inc.

- Created step graphs using a **profilometer** and **Excel** to verify deposition rates to help calibrate deposition systems
- Aided in the development of a program utilizing **MATLAB** and **Scilab 6.0** to calculate uniformity profiles which would be used to **speed up and automate** data analysis and calibration of deposition systems
- Characterized light transmission and reflection of thin film materials by using **UV-Vis spectrometry** to help meet client specifications

ABAD ULLAH AWAN

MAY 2021 MECHATRONICS ENGINEERING GRADUATE WITH A PASSION FOR MACHINE LEARNING & ROBOTICS

awan26@uwo.ca | abadullahawan.com | 647-937-0973 | github.com/awanabad | ON N6G 3A9

WHY SHOULD YOU HIRE ME?

- Experience with hours of independent research-based team projects.
- Currently working with Python in a Generative Adversarial Network project with Western Artificial Intelligence.
- Strong interest in the applications of engineering to physiological/biological models.
- Enjoys being placed in challenging situations that accelerate self-growth.
- Quick learner with a strong desire, and the determination to constantly improve.

EDUCATION

University of Western Ontario

Bachelors in Mechatronic Systems Engineering
Sept 2017 – April 2021

RELEVANT COURSEWORK

Undergraduate

Biomechanics of the Human Musculoskeletal System |
Physiological Control Systems | Medical and Assistive
Devices | Real-Time and Embedded Systems | Applied
Control Systems | Robotic Manipulators | C++
Programming | Applied Statistics and Probability

Online

Python (Kaggle) | Intro to Machine Learning (Kaggle)

SKILLS

Languages

C | C++ | MATLAB | Python | HTML | CSS | SASS

Programs/Environments

Visual Studio | Arduino IDE | Simulink | Eagle | Intel
Quartus Prime | MS Office Suite | Git | SourceTree |
SolidWorks | AutoCAD | Adobe Sketch | MS Teams

Soft Skills

Extremely Motivated | Dedicated Learner | Effective
Communicator | Synergistic Team-Player

INTERESTS

Artificial Intelligence

Western AI Club Reinforced Learning Project Member 2021
Western AI Club Peer Learner 2020

Graphic Design

Western Engineering Competition People's Choice Award 2021

Cryptocurrency

Western Cryptocurrency Club Peer Learner 2020

ENGINEERING PROJECTS

MAPSY: The Mobile Autonomous Pool Cleaner

- Capstone Project Sep 2020 – Present
- Develop a 4-in-1 device that automated all the tasks of pool cleaning, from eliminating debris to chemical control.
 - Construct an image segmentation algorithm for mapping using MATLAB and C++.
 - Develop a navigation system by the integration of propellers and depth/gyroscope sensors using C++.
 - Refine propeller parameters based on applied drag and momentum theory.

Art Generation Through Unpaired Image Translation

Western Artificial Intelligence Project Jan 2021 – Present

- Create a Cycle GAN model that learns to create art from datasets of landscape photographs.
- Learn Python, PyTorch, and Machine Learning Concepts over 2 months while balancing university courses.
- Develop 4 neural networks making up the generator and discriminator components for 2 GANS.
- Present design at the Canadian Undergraduate Conference on Artificial Intelligence.

PROFESSIONAL EXPERIENCE

Sahara Air Conditioning Co.

SAC is a full-service HVAC installation and maintenance firm.

HVAC Engineering Intern Jun 2019 – Aug 2019

- Assisted in the design and review of an HVAC duct schematic for a project with an engineering team.
- Learned how to create building infrastructure and duct schematics on AutoCAD in 2 workdays.

Maintenance Assistant Jun 2018 – Aug 2018

- Assisted in management and allocation of 10 technician teams for on-call and scheduled repairs.
- Tracked and documented maintenance-related expenditure for 84 maintenance contracts and 70 company vehicles.

Industrial Trainee in A/C services Jun 2017 – Aug 2017

- Partook in an intensive 8-week training program that involved assisting 6 different company departments with technical tasks.
- Reduced the workload of associates equivalent to 200 hours.

Ayushi Kardam
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EDUCATION

Bachelor Degree in Engineering Science in Electrical Engineering – The University of Western Ontario

2016 – Present

- Currently in Year 4 (final year) of program

ENGINEERING EXPERIENCE

Plant Design Electrical, Instrumentation & Control Engineering Intern – Ontario Power Generation (Bowmanville, Ontario)

May 2019 – Aug. 2020

- Ensured plant configuration matched current documentation by updating electrical design drawing and performing on-site walkthroughs for verification
- Prepared multiple detailed written engineering design justifications overseen by a senior engineer
- Collaborated with various engineering groups to ensure all design requirements are met within different system aspects for component design replacement work
- Analyzed discrepancies between revisions of design calculations and various instrument calibrations
- Reviewed technical concession applications and purchasing quotations provided by vendors and verified the technical specifications for approval or modification of quote

ACADEMIC PROJECTS

CubeSat Battery Energy Storage System (Capstone) – The University of Western Ontario

Sept. 2020 – Present

- Optimizing previous DC/DC Converter designs, including filter, layout, inductance and capacitive values, switching frequency
- Identified and completed preliminary cost analysis of parts required for the BESS to budget for required parts further along design process
- Improving the PI controller implementation as well as user interface from previous iteration of BESS code
- Completed preliminary analysis of CubeSat requirements to satisfy each subsystem's load to determine battery capacity

Resistance Spot Welding Power Supply Design Project – The University of Western Ontario

Jan. 2019 – Apr. 2019

- Designed various circuit components such as a half-bridge driver, buck converter and inductor; worked through various component calculations and iterations of the design
- Troubleshoot prototype design and prepared lab simulations to verify that results achieved were accurate and correct
- Prepared a thorough report explaining the final design selections and areas for improvement in collaboration with 2 team members

CLUBS INVOLVEMENT

Western Engineering Hyperloop Design Team Co-founder, Operations Lead – The University of Western Ontario

Sept. 2020 – Present

- Initiated the presence of Hyperloop at Western and among engineering students with 6 other students
- Led student recruitment initiative and organized onboarding for 30 new members
- Manage team finances, sponsorship funding and budget for pod prototype
- Communicate with faculty advisors for design technical issues and support
- Arranged documentation regarding team proposals and future plans

TECHNICAL SKILLS

Advanced

Software: Micro-Cap – Circuit Simulation Software, Quartus II - Programmable Logic Device Design Software, EAGLE – PCB Design Software, MATLAB, Microsoft Office, Google Applications
Technical: Breadboards and related circuitry devices, Arduino

Intermediate

Software: Java Programming, C++ Programming, AutoCAD (basic), Simulink, PowerBI, Google Colab, Python (basic), Excel VBA
Technical: Altera FPGA board, Metal Shop Training, Motors

AZEEM QUADRI

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[LinkedIn](#) | [GitHub](#)

EDUCATION

Bachelor of Computing (Hons.), specializing in Mathematics at Queen's University, Kingston, Canada

Sept 2017 — Dec 2021

PROJECTS

Highway Simulation Group Project for QMIND (Queen's Machine Intelligence and Neuroevolution Design) – Oct 2020 – Present

- Design Team Member at The Division of AI Research at QMIND, tasked to simulate autonomous virtual driving environment.
- Used **Gazebo** to simulate a virtual 3D environment and **ROS2** libraries to control and virtual robot.
- Implemented LIDAR to detect other cars and utilized machine learning to facilitate in image recognition to identify curves.
- Project to be presented at [Canadian Undergraduate Conference on AI](#) in March 2021.

President Speech Intellect Analysis Project –

Nov 2019

- Used **KNIME** to analyze and predict [integrative complexity](#) of over 150 US President speeches based on frequency of keywords.
- Used **MATLAB** to visualize over 3000 attributes that aided in extracting relevant keywords.
- Implemented Random Forest Learner and used 5-fold cross validation to access performance of model, achieving 71% accuracy.

Agricultural Studies Website Development Project –

Oct — Nov 2019

- Created and designed a website using **HTML**, **PHP**, **CSS**, and **JavaScript** about agricultural studies.
- Used **PHP** to handle server-side scripting, **CSS** for design and format, and **JavaScript** for slideshow animations and gallery page.
- Website follows AODA standards and is also mobile-friendly.

Text Search Engine Optimization Project –

Feb 2019

- Built a search engine in **Python**. Implemented Object-oriented programming to create **AVL Tree** and **Max heaps**.
- Implemented **AVL Trees** to index each word in a document based on frequency of a word. Used binary search to locate words.
- Implemented **Max heaps** to retrieve most relevant results based on frequency of the search query in a document.

EXTRACIRCULAR ACTIVITIES

Photographer at **COMPSCA (Computing Student's Association)**

Oct 2018 – April 2019

- Member of the marketing team as a photographer. Took photographs of various events hosted by COMPSCA.
- Produced high quality photographs edited in Adobe Lightroom and were hosted on COMPSCA social media pages.

Orientation Leader at **COMPSCA**

Sept 2018

- Organized and ran the University's orientation program for over 200+ students to assist in easy transition to campus life.
- Demonstrated leadership and communication skills and engaged in a friendly and warm way.

SKILLS

PROGRAMMING LANGUAGES

- Python (Libraries – NumPy, TensorFlow)
- Java
- C / C++
- JavaScript (jQuery and React)
- R Programming Language
- HTML 5, PHP, and CSS

SOFTWARE

- MATLAB
- Bitbucket (Git Tools)
- Jira / Confluence (Project Tracking tools)
- MySQL (with Apache)
- RStudio

RELEVANT COURSES

- | | | |
|-------------------------------------|---------------------------------------------|-----------------------------------------------------|
| • CISC 235 – Data Structures | • CISC 371 – Nonlinear Data Analysis | • CISC 322 – Software Architecture |
| • CISC 365 – Algorithms | • CISC 372 – Advanced Data Analytics | • CISC 332 – Database Management Systems |
| • CISC 282 – Web Development | • CISC 324 – Operating Systems | • CISC 497 – Social Ethical and Legal Issues |

Bella Zhong

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LinkedIn: <https://www.linkedin.com/in/bella-zhong-a29a48a1/> | GitHub: <https://github.com/bellazhong1029>

Education

Queen's University, Kingston, Ontario

2017- 2022(expected)

- Bachelor of Computing(Hon.), Specialization in Software Design
- Incoming fourth year student with accumulative GPA above 3.5
- Relevant courses - **Algorithms, Data Structures**, Operating Systems, Software Architecture, Software Quality Assurance, Digital Systems, System level Programming, Fundamental Web Development, **Artificial Intelligence**

Work Experience

DevOps Developer Intern, RBC (Royal Bank of Canada)

2020.09 - Present

- Responsible for the development and maintenance of the back-end of an internal on-boarding platform using **Python** and **Groovy** as programming languages; provide tech support to all dev teams regarding applications deployments and CI/CD pipelines navigating between **Jenkins**, **UCD** and **various cloud platforms**
- Currently expanding the on-boarding platform to support non-cloud pipelines
- As a student community leader, working with RBC Early Talent team to plan and co-host/host social events aiming to create a inclusive and positive work environment for all co-op students

Contract Front-end Web Developer, BetaLab

2019.10 - 2020.02

- Worked on a team of ten to create a web/mobile application to help Kingston residents and landlords search for desired living places and ideal tenants, building the user interface with **HTML**, **CSS**, **JavaScript**, and **React** framework

Software Developer Intern, Sunyard System Engineering Co Ltd

2019.06 - 2019.08

- Contributed to the implementation of an internal web application with **Java** and **MongoDB** allowing admins to view/search/change configurations of clients' systems, resulting in the great improvement in understanding of fundamental knowledge of OOP languages and programming skills
- Assisted in the communication between developers and clients by forming the technical issues customers faced in a clear and unambiguous way to developers, which developed my ability to navigate busy work environment including effective communication and knowing how to approach co-workers when assistance is required

Additional Relevant Experience

Technology Director, QHacks (Queen's University annual Hackathon)

2020.05 - 2021.02

- Assisted to organize the second-biggest event at Queen's University
- Led a development team of three to develop the QHacks 2021 website showcasing the event highlights and a dashboard that handled more than 750 applications seamlessly
- Designed the user interface of both applications with **Figma**
- Implemented the applications using **React** in the front-end and **Express.js/Node.js** in the back-end

Orientation Leader, Queen's Computing Students Association

2019.8 - 2019.9

- Contributed to the planning and the execution of a week of orientation activities for all new incoming Computing students
- Co-led a group of fifteen incoming students to familiarize with the campus and engage in group social events, creating a safe and welcoming environment for all students

Technical Skills

Programming languages:



Frameworks & Databases:



Development & Operations tools:



Software Development Practice:



Other Skills

Interpersonal skills:

Teamwork, Time management, Communication, Trouble shooting, Leadership

Languages:

English (proficient)
Mandarin (proficient)
French (elementary)

Benjamin Tilden

btilden@uwo.ca | 403-796-6388 | LinkedIn: benjamin-tilden | Git – btilds

EDUCATION

Western University

Honors Bachelor of Science in Computer Science, minor in Software Engineering

London, Ontario

Expected April 2021

- **GPA:** 3.5 / 4.0; received admissions scholarship of excellence.
- **Dean's Honors Roll:** 2019/2020.
- **Coursework:** Introduction to Business, Accounting and Business Analysis, Data Science, Data Analytics, Artificial Intelligence, Data Structures and Algorithms, Databases, Project Management, and Statistics.
- **CFA Level 1 Candidate** – May 2021 Exam.

WORK & LEADERSHIP EXPERIENCE

Self-Employed

Day-Trader

Calgary, Alberta

May 2019-August 2019

- Independently managed a \$250,000 leveraged portfolio achieving a 36% ROI.
- Analyzed individual company information (revenue targets, EPS, option volatility, competitors) via 10K/10Qs to determine potential short-term investments.
- Monitored U.S. microeconomic data to predict and keep track of market indices to maximize profits.
- Conducted daily research and self-learning to optimize profits and minimize risk.

Aucerna

Full Stack Software Developer, AFE Nav Team

Calgary, Alberta

May 2018 – August 2018

- Implemented an accounting export feature in C#, SQL, and XML on a .NET web application while working on an agile team of 8, which was successfully deployed and now assists several clients
- Developed SQL stored procedures and triggers to ensure smooth data export to external databases.
- Collaborated with co-workers during scrum meetings to recommend and assist on UI design and functionality, leading to a more user-friendly application.

Western Artificial Intelligence Club

Project Manager, Financial Team

London, Ontario

October 2019 – April 2020

- Instructed weekly workshops about artificial intelligence to 3-6 beginner programming students.
- Adapted teaching techniques to suit multiple learning styles for increased effectiveness.

PROJECTS

3D Portable Freehand Ultrasound Visual Reconstruction (Python, PyTorch, pandas, NumPy, CUDA)

- Currently working to reconstruct multiple 2D ultrasound images into a 3D visual construction.

Music Genre Classification (Python, pandas, NumPy)

- Classified different musical genres from audio files using low-level features of frequency and time domain.
- Utilized KNN, and convolutional neural networks to make genre predictions and test accuracy.

Linear Regression Prediction (Python, pandas, NumPy, sci-kit-learn)

- Created a display for linear regression models that predict tennis players' outcomes based on their past playing habits.

Algorithmic Trader (Python and Quantopian)

- Developed a stock trading program using Python and Quantopian (a quantitative financial tool) to manage a portfolio based on a set of trading rules.

SKILLS, ACTIVITIES & INTERESTS

Technical Skills: Python (pandas, matplotlib, and scikit-learn), C, C#, C++, Java, HTML, SQL, Git

Familiar Skills: REST APIs, HTTP, HTML/DOM, React, Redux, JavaScript, Linux, Tableau, and Jira

Certifications & Training: Finance and Quantitative Modeling for Analysts – Wharton Online, Introduction to Data Science in Python – University of Michigan, Tableau Data Scientist Certification (in progress), CPR-C

Other Projects: Dijkstra's Algorithm Drone Visualizer, Raspberry Pi API Smart Mirror, Online Web Chat Application

Activities: Ivey FinTech Researcher and Publicist (2019/2020), T.A Computer Science (2020), Western Investment Club

Interests: Hackathons (Hack Western 5 & 6), Skiing, Watching Hockey, Settlers of Catan

BRENDAN NUGARA

P (416) 738-8751 E bnugara@rogers.com L linkedin.com/in/brendan-nugara W github.com/BrendanNug

I am a Computer Science student at Queen's University, and I have been coding for over 5 years. In my studies, as well as on my own time, I have learned and had experience with data structures, algorithms, and the software development lifecycle. Outside of my academics, I aim to do projects with my peers, participate in hackathons and expand my knowledge in areas including cloud computing on platforms such as Azure, Google Cloud, and AWS.

EXPERIENCE

May 2020 - August 2020

Software Developer Intern • CogniFrame • Toronto, ON

Received training on web development with Angular and Spring Boot, as well as training on the fundamentals of machine learning and artificial intelligence.

May 2020 - August 2020

Data Analytics and Quality Assurance Intern • WeTraq • Toronto, ON

Analyzed data provided by New Relic APM to track and log abnormal occurrences to help improve WeTraq's mobile application, GuardIO. Tested android releases of GuardIO app for problems prior to launch.

May 2020 - Present

Chief Technology Officer • Muse Magazine • Kingston, ON

Manage the organization's WordPress website, as well as the development of the Muse Magazine mobile app.

September 2020 - Present

Teaching Assistant • Queen's School of Computing • Kingston, ON

Tasked with providing support to students and helping with marking for Discrete Mathematics for Computing I at Queen's University.

RECENT PROJECTS

Helpify • uses React and Google Firebase

A web application developed with my peers to allow people unable to go out during quarantine to reach out to members of their community by submitting a ticket for another member of the community to fulfill. My role was front-end developer, where I used React to build the user interface.

SPCA Website • uses PHP, SQL, HTML, CSS and JavaScript

A web application built to mimic the tasks carried out by the SPCA. It uses php to connect to a MySQL database to create, read, update, and delete data on animals, donors, and employees.

PROGRAMMING LANGUAGES

- C/C++
- Java
- Python
- JavaScript
- SQL
- R
- PHP

EDUCATION

Bachelors of Computing (Honours)

Queen's University, Kingston, ON

3.83 GPA, Dean's Honour List

Expected Graduation – Spring 2022

CERTIFICATIONS/COURSES

Azure Fundamentals Certification

Microsoft, February 2020

Alpha Student Ambassador

Microsoft, August 2020

Data Structures and Algorithms

Athabasca University, May 2020 - August 2020

INTERESTS

Swimming, Cars, Music, and Programming

CAITLIN ASPINALL

16cea5@queensu.ca | 647-981-8523 | 160 Heath St. East Toronto ON M4T1S8 | www.linkedin.com/in/caitlin-aspinall

EDUCATION

| | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| Bachelor of Science , Queen's University, Kingston, ON | 2017 – Present (expected 2021) |
| • Specialization in Mathematics and Computer Science with a Certificate in Business from Smith School of Business • Key courses include: Design Thinking, Conflict Management, Object Oriented Programming, Data Structures | |

| | |
|-------------------------------------------------------------------------------------------|-------------|
| Ontario Secondary School Diploma , North Toronto Collegiate Institute, Toronto, ON | 2017 |
|-------------------------------------------------------------------------------------------|-------------|

SKILLS

| |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Programming Languages: Python, Java, VBA, R, Haskell, Prolog |
| Software: <i>Platforms:</i> MatLab, Idle, Eclipse, Tableau, RStudio, HPALM, Splunk, ServiceNow, SAP, Confluence, Jira, Clarity <i>Microsoft Suite:</i> Excel (Intermediate), PowerPoint, Access, Word, Visio, Teams, Power BI |
| Soft Skills: Problem Solving, Time Management, Adaptability, Communication, Inquisitive |

PROFESSIONAL EXPERIENCE

| | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| Technical Business Analyst, Bank of Montreal, Toronto, ON | September – December 2020 |
| • Developed new processes, procedures and advance reporting to support the Security Information Analytics and Orchestration team within the Financial Crimes and Technology (FCT) • Facilitated the Splunk Optimization initiative by removing 234.65MB of Splunk Lookups, disabling 1146 Searches and updating Splunk Alerts to maximize efficiency in reporting • Maintained and updated the FCT Confluence site to ensure better access to Splunk and team information, events and project details • Developed, reviewed and finalized new Splunk Phantom and Splunk Lookup training documentation • Contributed to development and completion of IP2Location project in relating over 9000+ IP addresses to physical locations for enhanced reporting of operators during the COVID-19 pandemic | |

| | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| Associate Software Engineer, Bank of Montreal, Toronto, ON | May – August 2020 |
| • Supported the Finance and Enterprise Resource Planning Technology department in redesigning the General Ledger Program and applicable business processes to strengthen foundation for future regulatory reporting and better decision making • Increased efficiency in QA testing by mapping automation to manual test cases to identify gaps in testing and increase number of automation test cases • Completed Master Data setup using SAP Logon Pad to update company codes and create new profit centers for IBUK-US Ledger • Completed quality assurance shakedown and performance testing on several security roles in QF1 100 Cloud • Utilized PowerBI to produce new reporting documents for project management purposes | |

| | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| Enterprise Data & Analytics Data Science Intern, TD Bank, Toronto, ON | May - August 2019 |
| • Supported the Data Governance Team within the Office of the Chief Data Officer (OCDO) in developing, executing and rolling out data capability programs that govern all TD Business Lines in data activities • Led the Transformation of the Data Governance Book of Record project <ul style="list-style-type: none">◦ Developed and executed a project plan and made adjustments to final product based on executive feedback◦ Established an automated audit trail using VBA in Microsoft Excel to increase security and prevent human error◦ Optimized the Data Governance Book of Record by creating formulas that increased efficiency and administrative efforts • Executed the review, refresh and approval of 14 Data Governance procedures to be compliant with audit protocols • Advanced the development of the OCDO second line Challenge and Oversight Program <ul style="list-style-type: none">◦ Analyzed TD Business and Liaison feedback to find trends over multiple lines of business to bring forward potential concerns that were being missed at the individual level | |

EXTRACURRICULAR EXPERIENCE

| | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| InQUBate Team Development Coordinator, QMIND, Kingston, ON | 2020 - Present |
| • Facilitated the refresh of the inQUBate program by developing new procedures and project plans for participating teams • Managed and coached multiple teams through the entrepreneurial and technical development of their AI Incubators | |

| | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Artificial Intelligence Incubator Project, QMIND, Kingston, ON | 2019 |
| • Created a project strategy roadmap to ensure a timely completion of market research, product pitch and AI solution • Developed a computer vision home security system to identify individuals and objects on homeowner's front porch | |

CAMERON KHALILI

cameron.khalili@rbccm.com



Cell: (416) 710-6659

EDUCATION

BASC Engineering Physics and Computing, Queen's University, Kingston, ON Graduate 2021

- Relevant Courses: Neural Networks, Information Structures, Interpersonal Skills for Managers
- Engineering Dean's List Award for academic excellence (2017-2020)
- Queen's Principal Scholarship – an entrance scholarship awarded to high achieving students

Ontario Secondary School Diploma, Greenwood College School, Toronto, ON 2016

- Principal's Award for Academics (2011-2016)
- Intellectual Character Award (2016)
- Leader by Example Award (2011, 2014, 2016)
- Spirit of Adventure Award – Outward Bound (2015)
- University of Waterloo, Mathematics and Computing – Canadian Team Certificate (2015)
- Upper Canada College Math Olympiad; Highest Score in School Certificate (2013)

PROFESSIONAL EXPERIENCE

Quantitative Trading Analyst, RBC, Toronto, ON Summers 2018 - 2020

- Conducted research to develop an AI trading algorithm, Aiden
 - Summer 2020: Presented an introduction to Aiden to incoming interns, analyzed Aiden's learning during COVID-19 and developing an Introduction to AI lecture series to be presented to clients
 - Summer 2019: Researched Input Injection and Output Injection and presented the findings to Aiden, the Electronic Trading Desk and CRB
 - Summer 2018: Presented Aiden to trade floor executives, developed a testing pipeline, developed a simulation environment to investigate Input Injection

Sales Assistant and Stocker, Dwight Market, Dwight, ON Summer 2015 - 2017

- Responsible for assisting customers, product displays, restocking shelves, pricing, and food preparation

Program Director, Nelson Mandela School, Toronto, ON 2012 - 2016

- Developed and led a program to provide sport and leadership development, through the playing of tennis, for children in an economically challenged area of the city

EXTRACURRICULAR EXPERIENCE

QMIND Executive: Project Manager and Sponsorship Director, Queen's AI Hub, Kingston, ON 2018 - 2020

- Facilitated sponsorships and managed sponsor relations with RBC, TD, and Round13
- Managed teams which developed AI research projects for RBC and TD

Rocket Construction Team, Queen's Rocket Team, Kingston, ON 2017 - 2018

- Built a rocket to launch to 10,000 ft in a competition

Student Government, Greenwood College School, Toronto, ON 2014 - 2016

- Student Council – managed and improved student life
- House Captain – Led over 50 students and organized spirit events including raising over \$23,000 for the Terry Fox Foundation, more than doubling previous funds raised

Founder and Head, Math Club and Coding Club, Greenwood College School, Toronto, ON 2014 - 2016

- Led and coached a group of students to prepare for competitions at the University of Waterloo

DECA Provincial Competitor, Greenwood College School, Toronto, ON 2014 - 2016

- Competed in DECA business case competitions at a provincial level

Waterloo Unlimited Delegate, University of Waterloo, Waterloo, ON April 2014

- Selected to participate in a University of Waterloo enrichment program

ADDITIONAL INFORMATION

- Enjoy the outdoors, white water canoed in Algonquin, kayaked in BC, and completed a dog sledding trip in South River, ON
- Avid skier, chosen for Coach's Award, Greenwood College School Ski Team (2016)
- Dual Canadian and American Citizenship

Cameron Soregaroli

100 Regent Street, London, ON N6A 2G4

C: 778-994-8764; E: csoregaroli.hba2021@ivey.ca; L: linkedin.com/in/csoregaroli

EDUCATION

- Ivey Business School, Western University**, London, ON, Canada 2017 – 2021
Candidate for Bachelor of Arts, Honors Business Administration (HBA) with a Certificate in Entrepreneurship
- Completed first two years in Management & Organizational Studies
 - GPA: 3.75/4.00 (82.6%)
 - Dean's Honor List (Top 25%), Scholarship of Excellence, BC Achievement Scholarship

WORK EXPERIENCE

- Kingston Frontenacs** May 2020 - Present
Hockey Analytics Team
- Working with the hockey analytics team to develop useful data and insights for the OHL's Kingston Frontenacs
 - Tracked key player data and built excel models based on the latest trends in hockey analytics
- * NDA prohibits further disclosure
- Jomo Kenyatta University of Agriculture and Technology**, Nairobi Area, Kenya Summer 2020
Guest Lecturer – Cancelled due to COVID-19
- Was scheduled to teach business essentials to a group of university students at JKUAT in Juja, Kenya
- Northwest Capital Partners**, Vancouver, BC, Canada Summer 2019
Private Equity Summer Analyst
- Developed profitability and revenue growth models for two separate product lines of a portfolio company to calculate firm's IRR of additional investment in the products; partners acted on recommendations
 - Created a full three-statement operating model, including a debt schedule and revenue build-up, for a portfolio company; valued company at an enterprise value of \$4.8M based on a discounted cash flow analysis
 - Conducted a consumer analysis for a portfolio company based on 328 major US metro areas; analysis helped sales team determine potential markets to expand into and evaluate level of competition in those markets
 - Tested and lead initial implementation of new Client Relationship Management (CRM) software for a portfolio company; trained company's employees on effective usage of software
- HollisWealth**, Vancouver, BC, Canada Summer 2018
Private Wealth Management Intern
- Designed a new portfolio evaluation template for clients unhappy with existing statement structure; new format was well received by 20 test clients and was subsequently rolled out to entire client base
 - Revised compliance paperwork for over 140 client accounts; updated risk profiles for entire client base by carefully evaluating details pertaining to net worth, income, age and current investments

OTHER ACTIVITIES & INTERESTS

- Ivey Entrepreneurship Club, Co-President** 2020 – Present
- Organized events featuring speakers from various entrepreneurial backgrounds with the goal of presenting entrepreneurship as a viable career path for Ivey students
 - Co-led the introduction of a mentorship program to connect student-entrepreneurs with one another

- Ivey New Venture Project, Finalist** Fall 2020
- Created and pitched a business plan for a start-up company in the e-commerce returns logistics space with a value proposition of making e-commerce returns seamless for end consumers and cheaper for retailers
 - Conducted multiple interviews with various potential customers, e-commerce retailers, and industry experts
 - Led the team's customer and operations research efforts; team finished in the top five (out of 26 teams total)

Languages: Fluent in English and proficient in French

Technical Skills: Proficient in Microsoft Word, PowerPoint, Excel, Figma, HTML/CSS, Python, SQL

Interests: Astronomy, fantasy sports, football, hockey, personal development, philosophical discussions

Connor Chappell

connor.chappell@queensu.ca | (905)-926-5584

Profile

Hardworking Computer Engineering student looking to get a Software Engineering job. Passionate about utilizing AI technology to create new products. Proven to successfully apply technical and soft skills through winning engineering competitions. Valuable internship experience working in many facets of software development. Always looking to learn more and tackle new challenges.

Education

BACHELOR OF APPLIED SCIENCE (BASC), COMPUTER ENGINEERING | QUEEN'S UNIVERSITY | 2017 - 2022

- Working towards a Degree that focuses on Software Development and AI
- Gaining insight to real life project scenarios through Engineering Design Courses
- Broadening education by taking Economics, Entrepreneurial, and Consulting Courses
- Maintaining Dean's List with a 3.81 GPA while staying involved in competitions and extracurricular activities

Skills

Programming Languages: React (JavaScript), Python, C++, Bash

Software/ Platforms: MS Office, Docker, Kubernetes Clusters, Linux Kernel, MongoDB, GitHub

Soft Skills: Teamwork/Communication, Problem Solving, Time Management

Relevant Experience

Employment

SOFTWARE DEVELOPMENT INTERN | CENTRE FOR ADVANCED COMPUTING | MAY 2020 - JUNE 2021

- 14-month internship at a university-partnered research and advanced computing company
- Working on multiple projects that utilize AI
- Using AGILE software development to create applications
- Developing front-end UI designs to provide a pleasurable user experience
- Connecting user input to databases, utilizing different microservices for organization and scalability
- Implementing IBM's NLU, Discovery, and Watson AI services
- Deploying containerized applications for consumer use
- Setting up pipelines to digest and analyze large amounts of sensitive data
- Creating scripts to monitor and document pipeline progress for easy reflection
- Effectively collaborating on code through version control

Competitions

ONTARIO ENGINEERING COMPETITION | FIRST PLACE | MCMASTER UNIVERSITY | 2019

- Solved an engineering problem by coming up with a creative solution while managing time effectively
- Quick problem assessment, efficient communication, and effective execution of a well-designed solution to a relevant issue
- Judged by professional engineers from Aecon and other companies that are well established in the workforce
- Qualified for the Canadian Engineering Competition, representing Ontario against top engineering teams from across Canada

Extracurricular Activities

QUEEN'S MACHINE INTELLIGENCE AND NEUROEVOLUTION DESIGN | SEPT 2019 – MARCH 2020

- Created a Generative Adversarial Network for Antivirus Detection
- Utilized Machine Learning to modify malicious files to be indistinguishable from benign samples
- Ingested large datasets and extracted features for model training
- Created a two-model system that trained off each other
- Produced findings in a published paper and presented the project at the Canadian Undergraduate Conference on Artificial Intelligence

CONNOR WINTERS

c.winters@queensu.ca | (647) 534-1707

EDUCATION

Bachelor of Commerce (Honours), Smith School of Business, Queen's University, Kingston, ON

Class of 2021

Bachelor of Computing, Queen's University, Kingston, ON

Class of 2022

- **Academics:** GPA: 4.03/4.30; relevant courses include: Finance I (A+), AI & Analytics (A+), Data Science (A+)
- **Awards:** D.I. McLeod Dean's List (2018, 2019); Principal's Scholarship for entrance average above 95% (2017)

PROFESSIONAL EXPERIENCE

M&A Analyst, Fulcrum Technology Holdings, Toronto, ON

2019 – Present

Global merchant bank helping technology companies grow via M&A, fundraising, strategic advisory, and principal investing

- Prepared corporate financial model for the CEO, CFO and Chairman of the Board of a ~C\$1B TSX listed company, used for valuation, fundraising and evaluation of potential acquisition targets
- Built an M&A model including 9 acquisitions leading to the issuance of LOIs for targets with combined revenues of €146M+
- Used VBA to consolidated weekly cash forecasts from subsidiary companies, used by CFO in capital allocation planning
- Developed a Python program to review 10,000+ transactions, analyzing ageing of accounts receivable and accounts payable, used in due diligence process

Investment Associate, Black Creek Investment Management Inc., Toronto, ON

Summer 2019

- Authored a 16-page investment memo including SoTP valuation, company and industry analysis, leading to an investment initiated by Portfolio Manager
- Corresponded with management teams, investor relations and research firms to gain insight into corporate strategy, capital allocation and answer outstanding questions about potential investments
- Streamlined idea generation process with custom-built Excel equity screener leveraging VBA and Bloomberg

Sales Associate, Nike Inc., Halton Hills, ON

2016 – 2018

- Awarded Employee of the Month out of 150+ employees and recognized by co-workers for outstanding service

EXTRACURRICULAR ACTIVITIES

Chief Executive Officer, Queen's Capital, Kingston, ON

2018 – Present

Queen's University-based investment club, with a focus on long-term investing

- Lead a team of 25+ students, researching publicly traded companies, applying fundamental analysis to identify businesses with durable competitive advantages, high returns on invested capital, long runways for growth and positive secular tailwinds
- Built a valuation model and investment theses for Foot Locker, Inc. (NYSE: FL), Facebook, Inc. (NASDAQ: FB) and Goodfood Market Corp. (TSX: FOOD), generating a return of 41%, 26% and 363% respectively

Project Manager, Queen's Machine Intelligence and Neuroevolution Design (QMIND), Kingston, ON

2020 – Present

Canada's largest undergraduate AI and machine learning club with a consulting team, research team and incubator program

- Lead a group of 5 students to develop an Computer Vision application for a Waterloo, ON based start-up

Operations Associate, Front Row Ventures, Kingston, ON

2020 – Present

Student-run venture capital fund, raising a \$10M fund to invest in student-lead start-ups across Ontario

- Organize and execute events to build partnerships with accelerators, student organizations and tech labs across Ontario

Education Director, Queen's Finance Association Conference, Kingston, ON

2018 – Present

Canada's premier undergraduate finance-specific conference, hosting 100+ delegates from schools across North America

- Coordinated logistics and marketing of financial case competition for 90+ delegates
- Organized DCF and LBO workshops for conference delegates in cooperation with corporate partners

ADDITIONAL INFORMATION

- **Online Courses:** Machine Learning (Stanford), Supervised Learning with scikit-learn (DataCamp), Ensemble Methods in Python (DataCamp), Introduction to Deep Learning in Python (DataCamp)
- **Language Skills:** Extended French Diploma, French DELF Level B1 certificate
- **Activities:** Sapling Financial Modeling Competition (Top 5 Finalist), Marquee Financial Modeling and LBO workshops, Capitalize for Kids Trading Competition (8th place out of 1,400+ students), Queen's Global Energy Conference (2018)
- **Interests:** Hockey (played JR. A and AAA for a combined 12 years), watching NFL Football, reading about investing and investment psychology

Daniel Forestell

danforestell@gmail.com | 647-923-7237 | Toronto, ON

EDUCATION

Queen's University Sept. 2017 - present
Bachelor of Science (Honours) in Mathematics, Minor in Computing
Cumulative GPA: 4.29/4.30
Dean's Honour List with Distinction (Top 3%) - 2017/18, 2018/19, 2019/20

University of Edinburgh Jan. 2020 – May 2020
Semester Abroad – Concentration in Mathematics

HONOURS/AWARDS

| | |
|-------------------------------------------------------------------------------------|-------------|
| Queen's Appeal Undergraduate Scholarship – Queen's University | 2020 |
| Dean's Special Award – Queen's University | 2019 |
| Hugh Rose Scholarship in Mathematics – Queen's University | 2018 |
| Dora & Beatrice Helmckay Scholarship in Mathematics – Queen's University | 2018 |
| The William Coombs Baker Memorial Prize – Queen's University | 2018 |
| <i>Highest Standing in PHYS 104 (Fundamental Physics)</i> | |
| Principal's Scholarship – Queen's University | 2017 |

EXPERIENCE

| | |
|------------------------------------------------------------------------------------------------|-------------------------------|
| Research Assistant | May 2020 - present |
| <i>Geometric Sports Analytics – Queen's University</i> | |
| ● Developed spatiotemporal models using soccer tracking data – Supervisor: Dr. Catherine Pfaff | |
| <i>RabbitMath – Queen's University</i> | |
| ● Constructed high school mathematics problems inspired by play – Supervisor: Dr. Peter Taylor | |
| Teaching Assistant | Sept. 2019 – present |
| <i>Mathematics & Computer Science – Queen's University</i> | |
| CANSail Instructor | June 2017 – Sept. 2020 |
| <i>Lake of Bays Sailing Club - Baysville, ON</i> | |
| ● Provided instruction to and oversaw a group of 10-20 sailors aged 9-15 on land and on water | |

ACTIVITIES

| | |
|----------------------------------------------------------------------------------------|------------------------------|
| Queen's University Algorithmic Network Trading Team | Sept. 2018 - present |
| <i>Portfolio Manager</i> | |
| ● Led a team of 4 students developing and implementing quantitative trading algorithms | |
| Mathematics & Statistics Departmental Student Council | Sept. 2018 - present |
| <i>Treasurer & Year Rep</i> | |
| Edinburgh Eagles Varsity Hockey | Jan. 2020 - Apr. 2020 |

Daniel Weintraub

Vaughan, ON L4J 9B6 | (647) 918 3988 | dweintra@uwaterloo.ca | danielweint.com

Skills

- Platforms and Frameworks: TCP/IP, Linux, XCode, GCP, Git, Bitbucket, and JIRA
- Programming Languages: Python, Java, Go, R, C, Swift, Kotlin, and C++
- Development Methodologies: OOP, Containerization, TDD, Agile, and UML
- Leadership skills, capable of working effectively with teammates and taking initiative
- Team player with excellent communication and presentation skills

Work Experience

Software Developer at DataSciences

Jan 2020 – May 2020

Developing data driven programs for the betterment of healthcare research

- Utilized Docker & Kubernetes to optimize deployment and development
- Built a dataset search for 1000's of datasets with Word2Vec Python libraries
- Worked on backend systems to develop research features with Java, SQL, & Go

Software Engineer at CIBC Live Labs

May 2019 – Aug 2019

Developing innovative projects for CIBC in an Agile environment following TDD

- Built an object detection app with 90% accuracy with Computer Vision in Python
- Trained a Tensorflow Keras Machine Learning Model on Google Cloud Platform
- Created an accessibility friendly mobile app to convert bills on iOS and Android
- Tested extensively with frameworks such as Quick & Nimble on a CI/CD Pipeline

Educational Projects

3rd place at Google Cloud Hackathon

July 2019

Market in the Clouds is an analytics consulting tool for strategic use of AdWords

- Built a data pipeline with Google Cloud services such as BigQuery and DataStudio
- Analyzed Big Data in the form of web scraped Google Reviews to

GmAnalysis Project

May 2018

Provides a thorough analysis of a Gmail group to fight spam and messiness

- Used R and Python to scrape, cleanse, and analyze Big Data through visualization
- Presented a thorough analytics report and presentation for administration

Volunteer Experience

Developer at TML

Jan 2019 – Present

Helping local businesses integrate new technology in their day to day operations

- Worked with Wilfrid Laurier University to increase student awareness of programs
- Hosted bi-monthly events for the community to learn more about upcoming technology

Education

- Bachelor of Computer Science, University of Waterloo **2018 – 2022**
- Bachelor of Business Administration, Wilfrid Laurier University **2018 – 2022**

DENISE MICU

Cell: (647) 983-8390

Email: denise.micu@queensu.ca

[linkedin.com/in/denise-micu-6b700b152](https://www.linkedin.com/in/denise-micu-6b700b152)

QUALIFICATIONS

Bilingual incoming 4th year Computing student at Queen's University interested in a 4-month internship; bilingual French, English and Romanian, passionate about research in Artificial Intelligence and Machine learning, Experience with Python, Java, SQL, and Prolog through various school assignments.

EDUCATION

Bachelor of Computing, Queen's University, Kingston, ON. Expected to Graduate: 2022

Relevant courses: Computer Architecture, Data Structures, Logic for Computing Science, Discrete Mathematics, Statistics, Marketing, Software Specifications, Web Development

PROFESSIONAL EXPERIENCE

- | | |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2020 | Research , Meter Inc., Remote <ul style="list-style-type: none">• Performed data entry and sorting on large datasets• Helped expand company's potential customer base by 80% |
| 2019 | Administrative Assistant , Rock Concrete Forming Ltd., Mississauga, ON <ul style="list-style-type: none">• Completed computer data entry, including payroll data entry for 80 staff members• Maintained employment records and prepared weekly time cards• Effectively sorted invoices and bills to increase organization of company |
| 2019 | City Supervisor-Operations , Explorica, Quebec City, QC <ul style="list-style-type: none">• Oversaw over 10 weekly tours, while developing and maintaining supplier and client relations through effective communication and weekly confirmations, to ensure tours went as planned• Supervised and managed over 15 tour guides coming into the city weekly• Conducted weekly tour and guide reports to asses internal and external concerns to effectively improve quality of tours each week |

EXTRACURRICULAR EXPERIENCE

- | | |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2020-2021 | Co-Chair , Queen's Women in Computing, Kingston, ON <ul style="list-style-type: none">• Lead and collaborated with 20 executive members to create events, resources, and a community that supports under-represented groups in the tech industry• Aided in coordinating and running a summer membership program that connected over 40 undergraduate students with industry alumni to improve professional development• Organized QWIC's first virtual hackathon hackHer that garnered over 200 participants, and over \$3500+ in sponsorship |
| 2020-2021 | Director of Human Resources , QMIND, Kingston, ON <ul style="list-style-type: none">• Created and presented guidelines to ensure equitable and diverse hiring practices for an over 200+ person student organization• Focused on organization development, and creating a positive and supportive pipeline for communication within the organization• Creating and facilitating an alumni network to engage current members with past QMIND alumni |
| 2019-2020 | Logistics Coordinator , Canadian Undergraduate Conference on AI, Toronto, ON <ul style="list-style-type: none">• Lead conference logistics team to plan and execute conference on Artificial Intelligence, growing 175% from the previous year to host over 300 delegates• Managed the logistics of a 2-day conference while balancing and organizing a budget of over \$100,000 |

Dylan Moss

4638 Decourcy Court, West Vancouver, V7W 3J5 | 778-389-9069 | 15dm28@queensu.ca

SUMMARY OF STRENGTHS

LEADERSHIP

- Collaborated with various stakeholders to submit an application for the CRTC Broadband Fund aimed at providing mobility coverage to over 10,000 rural Canadians and 640km of unserved highway.

COMMUNICATION

- Excellent written and oral communication skills refined through the role of Project Lead in engineering design courses and the creation of various presentations on Fixed Wireless initiatives at TELUS.

PROBLEM SOLVING

- Extensive experience troubleshooting circuits by identifying and resolving faulty logic and malfunctioning lab equipment while working as a laboratory teaching assistant.

Education

BACHELOR OF ENGINEERING AND APPLIED SCIENCE | MAY 2021 | QUEEN'S UNIVERSITY

- Major: Electrical Engineering
- GPA of 3.84
- Queen's University Dean's Scholar Award
- Queen's Varsity Rugby Academic All-Star Award

Experience

RF MACRO DESIGN CO-OP | TELUS | APR. 2019 - PRESENT

- Responsible for Macro cell site design and support of site acquisition in Southern Lower Mainland.
- Designed Fixed Wireless sites in BC, unlocking new subscribers and improving the user experience of existing subscribers.
- Performed field testing and statistical analysis of a Fixed Wireless External Antenna trial.
- Managed the design of over 200 Macro sites as part of the CRTC Fixed Broadband Applications, targeting the rural digital divide in Canada.

ELECTRONICS TEACHING ASSISTANT | QUEEN'S UNIVERSITY | JAN. 2019 – APR. 2019

- Listened attentively to student's problems and explained relevant electronic components and theories.
- Fixed student-built circuits by analyzing schematics, identifying sources of error and testing circuit components.

ELECTRICIAN APPRENTICE | LIONS GATE ELECTRIC | APR. 2018 – SEPT. 2019

- Applied the Canadian Electrical Code in the installation of residential circuits and reviewed schematics to identify and address possible errors in the circuits.
- Provided excellent customer service by consulting with clients about malfunctioning electrical circuits.

TECHNICAL SKILLS

AUTOMATION AND DATA ANALYTICS | PYTHON, ALTERYX, SPLUNK

- Used Python to script a national analysis predicting sites with high Safety Code 6 risk aiding in future upgrade prioritization.
- Designed an Alteryx workflow to automate a Geospatial analysis regarding Macro sector overlap with urban areas.
- Created a Splunk dashboard monitoring my team's average time of completion of project milestones.

INTERESTS

- Coaching high school rugby, painting and long-distance hiking

EMILY MENDELSON

(647) 502-0836

<https://www.linkedin.com/in/mendelsonemily/> <https://emilymendelson.github.io/MyPersonalWebsite.html>

Richmond Hill, ON, L4C 7W9

17ecm1@queensu.ca

github.com/emilymendelson

EDUCATION

Queen's University - GPA: 3.91

Honours Bachelor of Science: Statistics and Biology

Expected Graduation: May 2021

Kingston, ON

Honours and Awards: Dean's Honour List (2017-2020), John Ursell Tutor Award (2020-2021), DDQIC Spread Innovation Challenge Seed Funding Award (2020), Queen's Excellence Admission Scholarship (2017)

PROFESSIONAL EXPERIENCE

Research Assistant

Laboratory of Professor Adam Chippindale, Queen's University

Sep 2018 – Present

Kingston, ON

- Collected data from 6 experiments which was used in the papers of 4 graduate and undergraduate students
- Compiled and analyzed data from over 30 previous studies to compose written report
- Presented research data and results in a seminar to over 60 professors and students

Teaching Assistant

Department of Mathematics and Statistics, Queen's University

Sep 2020 – Present

Remote

- Taught calculus and linear algebra to over 35 students in 4 first-year courses
- Created weekly reports to summarize the number and types of students attending the Math Help Centre

Cohort Member

Spread Innovation Challenge, Dunin-Deshpande Queen's Innovation Centre (DDQIC)

May 2020 – Sep 2020

Remote

- Developed an online platform allowing health clinics to interact with clients remotely
- Designed and distributed 2 marketing surveys to collect data from over 50 potential users and health professionals
- Created and edited 5 video pitches and received a \$1000 seed funding award

Data Analyst Intern

Municipal Property Assessment Corporation (MPAC)

Apr 2019 - Aug 2019

Richmond Hill, ON

- Tested and validated the accuracy of over 60 multivariate linear regression models to value over 5 million Ontario properties
- Cleaned data from over 50 numerical and categorial variables to ensure data validity
- Researched and reported on 45 timeshare properties across Ontario to increase valuation accuracy of these properties
- Verified, extracted and analyzed property assessment data from internal company databases

SOFTWARE PROJECTS

Health Clinic Website (DDQIC) - Utilized:

- PHP, MySQL Databases, LAMP Stack, CSS, HTML
- Launched an interactive website with features allowing health clinics to communicate with their patients online
 - Engineered secure accounts feature that allows users to sign up and view information from their profile and journal
 - Implemented journal feature allowing users to write and view journal entries, with encrypted information stored in MySQL database

Android Waste Classification Application (QMIND) - Utilized:

- Python, Java, Kotlin, Android Studio
- Collaborated to retrain the EfficientNet computer vision model on dataset to achieve a validation set accuracy of 98%
 - Implemented a camera feature, allowing the application to classify images taken by users
 - Formulated a report for the client, outlining 2 options for secure installation of the tablets across high-traffic locations on Queen's University campus

SKILLS

Programming Languages: Python, R, PHP, HTML, CSS, Java

Software: MySQL databases, LAMP Stack, GIT, SPSS, Microsoft Excel, Visual Studio Code, Android Studio

ERIC FILLION

eric.fillion@queensu.ca | 613-889-3070 | github.com/EricFillion | linkedin.com/in/ericfillion

EDUCATION

- Bachelor of Computer Engineering**, Queen's University, Kingston, ON 2017 – Present
- 4.07/4.3 third year GPA, 4.19/4.3 first semester fourth year
 - Awarded the Queen's Principal's Scholarship for entering with above a 95% average
 - Achieved an A+ in the course Algorithms which covered divide and conquer; branch and bound; greedy; and dynamic algorithms
 - Received an A+ in Software Quality Assurance, which involved managing projects that followed professional standards

PROJECTS

- QMIND's Happy Transformer Team, (Project Manager)** 2019 – Present
- Acquired leadership skills through leading a team of 4 which included two experienced fourth year programmers
 - Created a library that allows users to finetune and implement models like BERT's "question answering model" and ROBERTA's "text classification model" in just a few lines of code
 - Achieved over 9000+ downloads and received positive feedback from NLP scientist from around the world
 - Top 1.5% for a text classification Kaggle competition with over 2800 participants
 - Best Paper at the Canadian Undergraduate Conference of AI's conference proceeding
 - Presented amongst graduate students, and won Best Presentation at C-Search, Queen's Computing Student Research Conference

- QMIND's Sabermetrics Team (General Member)** 2018 – 2019
- Acquired valuable data science skills and Git Workflow procedures from developing a platform to predict MLB statistics
 - Implemented machine learning technologies such as Sklearn's Support Vector Machine, XGBoost and feature selection tools
 - Outperformed expectations and achieved an error of 5% when predicting the number of wins a team would have in a season

- Clean Tech Competition, (2nd place in Canada)** 2017
- Competed solely in the Clean Tech Competition which is a worldwide environmental engineering youth team competition
 - Engineered an innovative device that uses a solid-state relay to eliminate phantom energy consumption from home computer systems without impacting the user's experience

PROFESSIONAL EXPERIENCE

- Founder, Vennify AI** 2020-2021
- Launched a PyPI package called Chatting Transformer that allows users to implement state-of-the-art text generation models with just a few lines of code
 - Published educational content about NLP on Medium and YouTube

- Founder, Kaku** 2020
- Created a cross platform social media application to connect students virtually despite COVID-19 using Flutter and Firebase
 - Launched the app to iOS and Android while managing a marketing campaign that obtained over 1000 users
 - Was interviewed by four media outlets, including CBC Ottawa Radio and the Kingston Whig

- Owner, General Green Services, Ottawa, ON** 2014 – 2019
- Launched a window cleaning business with a \$3000 grant from the Ontario Government's Summer Company Program
 - Gained leadership skills from training employees to be effective at sales, customer service and window cleaning

SOFTWARE SKILLS

Languages (In order of proficiency): Python, Dart, JavaScript, VHDL, C, HTML, CSS and SQL

Software: Transformers, PyTorch, GIT, Flutter, Firebase, SpaCy, Pandas, Sklearn and XGBoost

Esther Guerrier
estherguerrier@protonmail.com • +1 514 712 0167

SUMMARY

- ❖ Hands-on experience in software, website, front and back-end development
- ❖ Experience with Web technologies (React.js, Angular and more) and multiple object-oriented languages (Java, C++, and more)
- ❖ Able to work with teammates, communicate and solve complex problems
- ❖ Passion for programming, artificial intelligence and new technologies

EDUCATION

| | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| Polytechnique Montreal , Montreal, Canada | December 2021 |
| Major: Software Engineering (Beng) | GPA: 3.28/4.00 |
| Relevant Courses: Computer Networks, Databases, Data Structures and Algorithms I & II, Discrete Mathematics, Object-Oriented Programming, Operating Systems, Software Architecture and Design, Web Programming and User Interface Design | |

PROFESSIONAL EXPERIENCE

| | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| Intact Insurance <i>Data Analyst, Montreal, Canada</i> | January 2021 – Current |
| ❖ Read academic papers, analyze their results to see if there are potential variables that could be used for our problem | |
| ❖ Use of Jupyter Notebook with Julia to analyze different datasets of data and look for potential variables | |
| Morgan Stanley <i>Technology Analyst, Montreal, Canada</i> | June 2020 – August 2020 |
| ❖ Update business with emerging technologies by rewriting legacy application with React, Typescript, Java, JPA Hibernate, Spring Boot and MVC and establishing a REST API to ease communication between client and server | |
| ❖ Enhanced application's performance by 20% by controlling and optimizing back-end data load | |
| ❖ Optimized functionality, accessibility, and user experience by developing and heading front and back-end development and providing UI/UX mocks | |
| Amazon <i>Software Engineering Intern, Vancouver, Canada</i> | May 2019 – August 2019 |
| ❖ Developed multiple backend, server-less applications communicating together through message brokers with different AWS services in Java using dependence injection (Google Guice) | |
| ❖ Achieved 100% test coverage by testing software accurately using JUnit, Mockito and Google Guice | |

Other Professional Experience: Co-Founder of Startup, Teaching Assistant for multiple courses: Operating Systems, Compilers, Introduction to C++, and more. Robotics teacher for young kids, young girls, and kids with disabilities with Lego Mindstorms.

OTHER ENGINEERING PROJECTS

| | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| Draw It Mobile Application <i>Android Developer</i> | January 2020– May 2020 |
| ❖ Developed a multiplayer game that reproduces Draw It gameplay who could play with desktop users using Kotlin with MVVM architecture | |
| ❖ Designed the whole application's UI/UX interface | |
| Electronic clothing exposed at Montreal FashionTech in McCord Museum <i>Python Developer</i> | January 2017 – March 2017 |
| ❖ Programmed a network between different Raspberry PIs within the clothing who had to communicate by WIFI with Python and sockets | |
| ❖ Created an electronic circuit connecting them with their components | |

LEADERSHIP & AWARDS

| | |
|--------------------------------------------------------------------------------------------------------------------|------------------------|
| President <i>PolyAI</i> | January 2020 – Present |
| ❖ Manage and supervise 6 different teams (total of 20 people) to make sure that everything is going on as planned. | |
| ❖ Managing the organization of events with 100+ attendance, a hackathon with 300+ participants, and more | |

Awards: Second place at ConcordAI Hackathon, Public Award at YUL.code, Finalist at DIRO Hackathon

SKILLS

Java, Python, Julia, HTML, CSS, Typescript, Javascript, Reactjs, Angular, SQL, Git, Express.js, Agile Methodology, Linux, Windows, REST, Jira, Bitbucket, Android, MVVM, Kotlin, Eclipse, IntelliJ, VS Code

Eunice Choi

eunice.js.choi@gmail.com eunicechoi.info github.com/eunicechoi98 6475810011

EDUCATION

B.ScH in Computing and Mathematics – Queen's University, Canada

Grad: Dec 2021

- Design Thinking, Python, Java, Software Architecture, Algorithms, Data Structures, Software Specification, Statistics, Linear Regression.
- **Certificate of Entrepreneurship:** Education of executing innovation through ideation, start-up financing, marketing.

Y Combinator Start-up School

B19

EXPERIENCE

Product Management Intern – [Clearbanc](#) – Remote

Jan 2021 – Present

Program Management Intern – [Microsoft](#) – MS Teams, Lists, PowerToys, Photos - Remote

Summer 2020

- Delivered functionalities to **engineering** to build **multi-picture date editing feature** in the **Photos** app, which was **released to public** by owning the **product backlog** in an **agile environment (scrum)**.
- **Validated** the feature hypothesis using **usability testing** by **delivering requirements** to **design** and the core functionalities to **engineering**, which **77%** of users felt it was **valuable** in their scenario, taking the project on the **road to production**.
- **Conducted user interviews, product research, analyzed competitors** and the **market trends** to maximize the **unique value proposition** for MS Lists and connected user learnings from research **to introduce feature hypothesis**.

Co-Founder & Product Lead – [StyleLab x Joe Fresh](#) – Remote

Sept 2019 – Apr 2020

- **Created a ML algorithm to improve online shopping experience** that outputs a list of products tailored to each **customer's style** and taste in clothes based on purchase history, color of the clothing in partnership with **Joe Fresh eCommerce** at **Loblaw Digital**.
- Developed a **product roadmap** and **drove** the project timeline by **leading** discussions with the strategy, data science, business teams.
- **Negotiated the IP agreement with stakeholders** and **legal** to own the foreground intellectual property of the ML algorithm.

UX Designer & TPM – CPR Training Software – [Queen's School of Medicine](#)

May 2018 – Apr 2020

- **Provided consulting, designed and implemented** the user interface to **improve user experience** by conducting **usability testing** to translate necessary feedback into design and **functional requirements** to ensure **healthcare** professionals get quality **CPR training** using **Figma** and **Java**.
- Created **high level architecture** and the **implementation plan by collaborating with engineering**, then created the **Product Roadmap** to ensure that the prototype and production dates are met while maximizing the performance of the software.

Software Developer Intern – [Bank of Montreal](#) – Toronto, ON

Summer 2019

- Created and managed a **database in SQL Server** for a web application to recalculate the **capital gain** for the bank for users to analyze by understanding the **core business process** by developing requirements for the project, **reducing data extracting time** by **23.7%**.

LEADERSHIP & MANAGEMENT

Managing Director – Queen's AI/ML Hub - QMIND – Kingston, ON - qmind.ca

Mar 2020 – Present

- Created and drove **23 new initiatives** and introduced **2 portfolios** to bring **AI education accessible** to undergraduate students, increase **community engagement**, bring professional development **opportunities** for **250 members** while **managing 70 executive members**.

Founder & Chair – Queen's Women in Computing - gwic.org

Apr 2018 – Apr 2019

- Increased engagement by **300%** on social media and **event turnout** by **~700%** by guiding **16** executive members.

SKILLS & INTERESTS

- Proficient in Python, Java, HTML, CSS, bash, git, SQL, Figma, Adobe XD, creating SWOT Analysis, Project Roadmap, User Persona, Concept Statement, Value Proposition, delivering presentations and product pitch. UX Design, Marketing & Communications, Entrepreneurship, AI & ML, Behavioral Psychology, Management, Ethics in AI.

GABRIELLE MEHLTRETTER

ellie.mehltretter@queensu.ca (905)-599-1065 228 Balsam Drive, Oakville, ON

EDUCATION

2017 – Present

Queen's University, Bachelor of Science, Honours Mathematics, Kingston, ON

- Extensive training in analytical problem solving and analysis. Course work includes pure and applied mathematics, statistics and computer science, as well as business, psychology and chemistry.
- Deans Honour list

PROFESSIONAL EXPERIENCE

Research Assistant, Scotiabank Centre, Queen's University, Kingston, ON

Summer 2020

- Developed multiple machine learning models (Python) to predict precise spending levels by a customer for one of Canada's top golf resorts. Highly accurate models led to recommended flagging stay length, unit type, advanced booking, month of arrival and country of origin.
- Conducted feature analysis on over 22,000 data entries provided by the resort to improve the prediction of spending and determine actions for resort to capture higher revenue.
- Recognized and commended for the organization and clarity of the 20-page report written, detailing my findings.

Summer Student, Intake Specialist, Bayshore Healthcare, Mississauga, ON

Summers 2018 - 2019

- Captured and inputted confidential patient medical files into proprietary system, while ensuring a high level of data accuracy.
- Used Excel to analyze patient health insurance data and saved leading Pharma Company > \$100,000 in incorrect drug subsidies.
- Recognized for initiative and efficiency while analyzing patient drug coverage data from varied sources to ensure correct copay.
- Accurately identified adverse events from medication and corresponded directly with registered nurses and hospital personnel.
- Assisted in the planning and organization of the Bayshore Board of Directors meeting, ensuring all logistical needs were met.
- Recognized for excellent communication and organizational skills, while assisting the COO and office manager with Senior leadership conference.

LEADERSHIP AND EXTRACURRICULAR EXPERIENCE

2017 – Present

Math and Stats Departmental Student Council, Queen's University, Kingston, ON

Co – President (2020), Co – Vice President (2019), Year Representative (2018)

- Worked directly with the Arts and Science Undergraduate Society and department, to develop new strategies for online learning
- Manage a team of twenty-two people through the school year to plan and host events.
- Coordinate special events for the department of Math & Stats to provide an increased sense of belonging within the department.
- Increased participation to special events by leveraging interpersonal skills and encouraging more students and professors to attend.
- Recognized for excellent organizational skills and initiative that led to the promotion to Co-Vice President.

Director of Partnerships for Queen's Annual University Hackathon, Queen's University, Kingston, ON

- Responsible for acquiring, securing and maintaining \$80,000 in partnerships as well as in-kind sponsorship.
- Coordinating and leading a team, hosting calls with partners and planning meetings within QHacks and University personnel.
- Supporting the organization of the judging panel, mentors and partnerships appreciation event with the other teams.

Design Team Member for Queen's Machine Intelligence and Neuroevolution Design, Queen's University, Kingston, ON

- Working on a team of four to calculate a risk score for patients with type 2 diabetes for SenSights.AI
- Developing machine learning models (Python) to translate patient demographics and medical information into a health risk score

SKILLS

Languages: Python, R, SQL

Libraries: numpy, pandas, scikit-learn, matplotlib

AWARDS & PERSONAL

John Oliver (Oakville MP) Sesquicentennial Citizenship Award (2017)

- Awarded to persons who, through their actions of promoting inclusivity and diversity have personally made contributions to making Oakville and Canada, a happier, healthier and better place to live.

Personal

- French Bilingual Certificate, Achieved academic Honour Roll, Ontario Scholar, all four years of high school.
- Enjoy hiking (South Western US), certified life-saving and swim instructor, mental health advocate (Jack.org), reading fiction, different art mediums including watercolor, collage and embroidery.

GARRET FRENCH

garretfrench@gmail.com • 289-981-0000 • www.linkedin.com/in/garretfrench

EDUCATION

| | |
|----------------------------------------------------------------------------------------------------------------|-----------------------|
| RECO, Real Estate Licence | 2019 |
| Bachelor of Arts (Geography Major) , Queen's University, Kingston, ON • 4 th Year Student | 2017 – Present |
| Ontario Secondary School Diploma , Oakville Trafalgar High School, Oakville, Ontario | 2013 – 2017 |

PROFESSIONAL EXPERIENCE

| | |
|---------------------------------------------------------------------------------------------|-----------------------|
| Associate Sales Representative, Avison Young | 2021 |
| • Working with landlord & tenants to solve space needs | |
| • Focusing on industrial properties in the GTA | |
| Summer Research Student, Avison Young | 2019 |
| • Created detailed industrial maps | |
| • Made multiple property surveys for Brokers | |
| • Created & managed industrial property data | |
| Founder/Owner, WOW! Windows | 2017 - Present |
| • Window cleaning service in the Greater Toronto Area | |
| • Responsible for sales marketing & customer service | |
| • Hired, trained, and managed a team of 6 employees | |
| • Highly rated on Google, 5 star review. | |
| Professional Golf Shop Attendant , Muskoka Lakes Golf and Country Club, Muskoka , ON | 2017 - 2018 |
| • In charge of sales and inventory at Pro shop | |
| • Organized managed and implemented inter-club the golf tournaments | |
| • Managed back-shop employees | |
| Alpine Racing Coach , Beaver Valley Ski Club | 2016 - 2018 |
| • Trained athletes for inter club alpine race season | |
| • Awarded Rookie Coach of the Year | |
| Rental Agent at Greenbrier Place & Lofts Development Group | |
| • Worked as a rental agent | 2017 - 2018 |
| • Responsible for touring units and signing leases | |
| Back Shop Manager , Muskoka Lakes Golf and Country Club, Muskoka , ON | 2015 – 2017 |
| • Managed and coordinated group of 10 back shop employees | |
| • Responsible for ensuring all equipment was maintained | |

Other Interests and Skills

Social Media Marketing

WOW! Windows

- Ran Facebook and Instagram adverts, as well as Google AdWords to help boost our awareness, generate new leads, and deliver sales
- The Lofts
- Ran Google AdWords for The Lofts (Student residences at Brock U) & Greenbrier Place

Alpine Ski Racer

- Former Member of Beaver Valley Alpine Racing Team
- Won Beaver Valley Club Championship 2015
- Member of Oakville Trafalgar High School Ski Team 2014- 2016
- Attended OFSAA

References upon request

Zhuohua (George) Qiao

Cell: 1-438-725-4096 Email: zhuohua.qiao@mail.mcgill.ca

LinkedIn: www.linkedin.com/in/zhuohua-qiao

Profile

A diligent Honours Mechanical Engineering student at McGill University, currently looking for a four-month internship in Summer 2021. A self-starter and a team-player who values organizational culture and mission. Possesses a diverse set of technical skills as well as leadership experiences. Proven ability to manage multiple tasks while driving collaborative projects forward. Agile learner with excellent communication skills.

Education

Bachelor of Engineering, Mechanical Engineering Honours (Minor in Computer Science) Sept. 2017 – Dec 2021
McGill University, Montreal, QC, Canada CGPA: 4.0/4.0

- Entrance Scholarship 2017; Brodeur-Drummond Scholarship 2019-2021

Technical Skills

- | | |
|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none">• MATLAB• C, Linux, Bash• Java• Python• Assembly (MIPS) | <ul style="list-style-type: none">• Microsoft Excel and VBA• Microsoft Word, PowerPoint• CAD (SolidWorks 3D)• FEA (Abacus)• LaTeX scripting |
|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Engineering Experience

Research Assistant, Fluid Dynamics Lab (McGill University) May – Sept. 2019

- Investigated the ground effect on the static thrust of a propeller and its step response
- Built the experimental setup from scratch and improved it through multiple iterations
- Collected and analyzed data; gained experience with data acquisition systems, LabVIEW and MATLAB
- Documented the results in an academic poster and a comprehensive report written in LaTeX

Leadership Experience

Chair, McGill TechWeek (McGill University) Sept. 2017 – Feb. 2021

- Led a committee of ~6 students to organize 10+ events spanning a week engaging 300+ students
- Organized meetings, designated tasks and oversaw communication as well as event management
- Reached out to external sponsors, industry professionals, guest speakers; collaborated with the faculty
- Created events showcasing engineering innovation or providing professional development opportunities
- Spearheaded the transformation to online events, making extensive use of Zoom and Google Workspace

Design Team Member, AERO McGill (McGill University) Sept. 2018 – Apr. 2019

- Working in the structural design, analysis and testing of the tail section of an SAE Advanced Class aircraft
- Gaining hands-on CAD experience with using SolidWorks 3D and making technical drawings

Projects

Aerodynamic Design – Propeller for a VTOL UAV

- Took a leadership position in a large group of 8 to design and analyze a novel propeller for a VTOL UAV
- Identified requirements and constraints; planned task and coordinated between sub-teams
- Worked on performance analysis of the propeller blade, including using numerical tools (XFOIL, etc.)

Programming – Numerical Analysis of the Transonic Small Disturbance Theory

- Worked in a team of 3 to use numerical methods to solve the flow over an airfoil under TSD conditions
- Investigated methods to shorten the computation time of solving the flow with 4 million data points
- Top contributor of the engineering report which critically evaluated the validity and accuracy of results

Haoyi Qiu

haoyi.qiu@mail.mcgill.ca; 514-585-2048

Education

Bachelor of Science: Mathematics & Physiology Major 2017-Present
McGill University, Montreal, QC
• Expected Graduation: 2021

Technical Skills

- Python, JupyterLab (Basic)
- Java (Basic)
- MATLAB
- XPPAUT

Awards

NSERC Undergraduate Student Research Award 2020
Faculty of Medicine, McGill University, Montreal, QC

Supplements of the NSERC USRA 2020
Fonds de Recherche du Québec – Nature et technologies (FRQNT), QC

Research Experience

Undergraduate Researcher

Dr. Anmar Khadra, Department of Physiology, McGill University 2020- Present
• Familiarized with MATLAB modelization using spatial and temporal based equations
• Developed a biological model of calcium dynamics in motile cells

Undergraduate Research Assistant

Dr. Reza Sharif-Naeini, Department of Physiology, McGill University 2018- Present
• Acquired skills in optogenetics, surgical techniques, mice behaviour analysis, in vivo calcium imaging, and preparing publication-quality data figures and manuscripts
• Certified in working with laboratory mice and biological safety cabinets

Academic Experience

Senator (elected) 2020-Present
Science Undergraduate Society (SUS) of McGill University
• Elected voting member representing the undergraduate student body on McGill Senate
• Sits on various university committees tasked with general supervision over academic matters

Speaker of Council (appointed)

Science Undergraduate Society (SUS) of McGill University 2019 - 2020
• Presided over General Council (GC) meetings
• Ensured the rules and standing orders of GC are obeyed

Representative to SSMU (elected)

Science Undergraduate Society (SUS) of McGill University 2018 - 2019
• Elected voting member representing the science body at SSMU Legislative Council
• Debated and passed various motions and bylaw amendments to improve student life

JACK DEMETER

416-770-1180 | jack.demeter@queensu.ca | <https://www.linkedin.com/in/jackdemeter> | <https://github.com/jackdemeter>

Desired Employment/Placement: Full Time April 2021

Fields of Interest: Robotics, AI/ML, Big Data, Computer Vision, Software Development

PROFESSIONAL EXPERIENCE

| | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| Value Engineering Intern , MHIRJ (formerly Bombardier Aerospace), North York, ON | June 2020 – Current |
| <ul style="list-style-type: none">Analyzed databases with Python to cross reference aircraft components and develop entire chronological timelines for components, which led to a 15% increase in database completionDeveloped web-based analytical dashboards for real time monitoring of aircraft components and schedulesComposed and presented analysis of aircraft data to allow managers to make informed cost decisions | |
| Teaching Assistant , Digital Media Academy, Toronto, ON | July 2019 – August 2019 |
| <ul style="list-style-type: none">Taught students numerous programming and computer science subjects (ML, Mobile Dev., Java)Communicated the problem-solving process with 15+ students per day by creating visual diagrams and breaking down everyone's projects, allowing students to become self-sufficient programmers | |

RELEVANT EXPERIENCE

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| Project Manager , Queen's RoboMaster Team, Kingston, ON | 2018 – 2020 |
| <ul style="list-style-type: none">Trained computer vision models with transfer learning for autonomous operation of projectile-based robotsLed robotics team by coordinating onboarding content, team logistics, and relations with Queen's University and its professors to scale team from 20 to 60 members and raise the team's funding by 600%Competed at the 2019 International RoboMaster Robotics Competition hosted by DJI in Shenzhen, China | |
| Robotics Image Traversal Team , QMIND (Queen's AI Club), Kingston, ON | 2018 – 2020 |
| <ul style="list-style-type: none">Developed and implemented computer vision classification and localization to determine traversable paths for a wheel-based robot with <i>ROS</i>, <i>TensorFlow</i>, and <i>Scikit-Learn</i>Trained custom object detection to accelerate grocery store checkout processes with <i>TensorFlow</i>Showcased projects in 2019 & 2020 Canadian Undergraduate Conference on Artificial Intelligence | |
| Control Systems Manager , Queen's Hyperloop Design Team, Kingston, ON | 2017 – 2020 |
| <ul style="list-style-type: none">Designed and programmed embedded system architecture for state management and monitoring of the podConstructed an interactive live GUI for pod operation and monitoringMachined and assembled components on the 2019 pod, which enabled the team to showcase at competitionCompeted at the International 2019 Hyperloop Pod Competition hosted by SpaceX in Hawthorne, CA | |

EDUCATION

| | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| B.A.Sc - Computer Engineering , Queen's University, Kingston, ON | 2017 – Present |
| <ul style="list-style-type: none">Program Specialization: Control Systems & Machine LearningAchieved Dean Scholar Status in 3rd year and Queen's Excellence Entrance ScholarshipDeveloping a quadruped robot capable of computer-vision based navigation as 4th year capstone project | |

PROJECTS

Hackathons

- DeltaHacks:** Used OCR and QR codes to convert handwritten medical documents into a medical database
- QHacks:** Applied machine learning and graph theory to simulate and optimize traffic flow in Toronto
- MakeUofT:** Implemented computer vision and *IoT dev. boards* to create a scale model IoT traffic light

TECHNICAL TOOLS

Software: Python, C/C++, Java, JS, React, SQL, OOP, Linux, ROS, CAD(SolidWorks)

Hardware: Arduino, Raspberry Pi, Nvidia Jetson Nano, IoT

CASE Tools: Agile, Jira, Confluence, Git, Trello, Teams, Slack

JACK GREBENC

CONTACT



+1(905) 599 2007



grebencjack@gmail.com



Burlington, ON

SKILLS

Software Knowledge: Proficient in Python, R, Java and Swift; SQL and database management systems and practical experience with IBM Cognos & PowerBI, and Microsoft Office 365

Statistical & Analytical Skills: Linear Regression, k-means clustering, basics of machine learning

Mathematics: Calculus, Discrete Math, Linear & Abstract Algebra

Teamwork & Leadership: Rep Hockey goalie for 10 years (AAA), member of various sports/academic clubs

Time Management: Able to effectively prioritize tasks; exemplified by managing a full university course load with a part time job and club involvement

EDUCATION

Bachelor of Computing (Honours), Specialization in Computing, Mathematics and Analytics, Queen's University, Kingston, ON | 2017 – 2021

- **GPA of 4.10** (4.3 scale)
- Member of **Betalab Software Development Club** (2018-2019)
- Queen's Helping Haiti Events Co-ordinator (2019-2020)
- **Canadian Undergraduate Conference on AI Logistics Co-ordinator** (2020-2021)

EXPERIENCE

Intermediate Programmer/Analyst Co-op, Burlington Hydro, Burlington, ON | May 2020 – August 2020

- Created and maintained 25 SQL driven IBM Cognos reports, to aid in the implementation of a new CIS
- Provided effective cross-departmental training and assistance to end user report authors

R&D Digitalization, ArcelorMittal Dofasco, Hamilton, ON | May 2019 – August 2019

- Developed a web application for handling internal work requests to the R&D group
- Generated internal reports on researched trends in Industry 4.0 and the impacts on the steel industry

CISC 221 Teaching Assistant, Queen's University, Kingston ON | Fall 2019, Winter 2020 & Fall 2020

- Responsible for marking labs and holding office hours for 2nd year Computer Architecture class
- Course covers content relating to C, assembly language and lower level computer design

AWARDS

Nellie & Ralph Jeffery Award In Mathematics (September 2020)

Queen's Deans List (2018, 2019 & 2020)

Class of 2017 Valedictorian at Iroquois Ridge HS (June 2017)

B.Finley Award, Principal's Award & Sr. Athlete of the Year (2017)

JADA BUCHANAN

Jada.Buchanan@queensu.ca | 587-899-3030 | <https://ca.linkedin.com/in/jada-buchanan>

Bright, hardworking, energetic and conscientious engineering student seeking an opportunity to apply and strengthen my technical skills and business operation experience in an environment that values the intersection of business, mathematics and technology.

EDUCATION

Bachelor of Applied Mathematics and Computer Engineering, Queen's University, Kingston, ON April 2021

- Queen's Principal Entrance Scholarship. Achieved honors (GPA > 3.5).
- Program syncs coursework within the Departments of Mathematics, and Electrical and Computer Engineering.
- Courses: Data Structures, Digital Logic, Signals and System Theory, Complex and Real Analysis, Computing Science I & II (Object-Oriented Design), Control Theory, Computer Architecture, Data Analysis, Algorithms, Stochastic Processes.

Alberta Secondary School Diploma, Ernest Manning, Calgary, Alberta June 2017

Honors with Distinction, Science Award 2015, 2016, Mathematics Award 2016, 2017, Alberta Rutherford Scholarship.

RELEVANT EXPERIENCE – HIGHLIGHTS

Project Manager, Queen's University Sept 2020 – Present

- Lead four teams of six first-year engineering students in the APSC100: Engineering Design Modules course.
- Support and direct students to create Supply Rental App for client representing Queen's Integrated Learning Centre building.

Team Lead, Queen's University Algorithmic Network & Trading Team Sept 2020 – Present

- Guide team of four in ideation, development and submission of algorithm to compete within Canada's premier Quant-Finance community.

Design Team Member, Queen's Machine Intelligence and Neuroevolutionary Design Club Sept 2020 – Present

- Develop project within four-member Division of AI Research: 3D Object Classification Team to showcase AI research, understanding and opportunity.

Product Innovation Intern, Aware360, Calgary, AB May 2019 - Sept 2019, May 2020 - Sept 2020

- Leading provider of IoT and M2M solutions to increase productivity and safety in business environments worldwide.
- Created dashboards in Power BI displaying worldwide product deployment and usage, and the adoption of modules.
- Manipulated testing database in various analytics environments; SISENSE, Tableau, TIBCO Spotfire, to create meaningful visuals charting and mapping product growth.
- Completed detailed UI plans for incorporating an indoor positioning feature into Aware360 applications. Revamped company website to include updates, enhancing aesthetic and ease of use.

Student Technology Awareness Program Facilitator (Volunteer), Tata Consultancy Services goIT Camp, Calgary May 2019 - Present

- Facilitate pro-bono STEM education initiative programs for middle and high-school students underrepresented in computing fields.
- Help students work in groups to become design thinkers, build a prototype mobile app, alongside industry experts to solve a local community problem. Demystified computer science skills, and students gain skills and confidence necessary to pursue STEM degrees.

Founding Member, National Society of Black Engineers, Queen's University Sept 2020 – Present

- Empower BIPOC students in STEM via academic support, resources and guidance in professional development.

SKILLS

- **Languages:** C, Java, Javascript, MATLAB, Assembly, Python, SQL, Spanish (Intermediate)
- **Technologies:** Microsoft Azure, Power BI, QuantConnect, SISENSE, Tableau, Adobe RoboHelp, Adobe Photoshop, HTML/CSS, Oracle

PROJECTS

- **Network Epidemics Thesis Project:** Python (Sept 2020- April 2021) Via the Network Polya Contagion Process, model the occurrence of suicide among Indigenous youth on reserves in Canada, with the goal of finding effective mitigation strategies.
- **Opinion Dynamics of Vegetarianism in Canada:** (Jan 2019 – May 2019) Outline methods to aid vegetarianism advocacy groups to meet goals by understanding opinion dynamics to understand a person's dietary choices. Research and use Hegselmann-Krause dynamics to develop a MATLAB algorithm that targets a population sector and initiates an overall average meat opinion shift
- **Shift Log Generator,** MATLAB: (Jan 2018- May 2018) Design logarithm to improve demographic shift data collection and analysis for the Engineering Wellness Centre.

EXTRACURRICULAR EXPERIENCE

- Volunteer**, Inn from the Cold Dec 2014- Present
- Serve meals, sort donations, organize open houses, create Santa Sacks for children at this domestic violence family shelter.
- Volunteer**, Centre for Newcomers Dec 2016- Present
- Centre for Newcomers is an immigrant and refugee serving organization where I tutor math and science to youth, assisting them with overcoming academic and social challenges.
- Volunteer**, QHacks, Kingston, ON Feb 2018- Present
- Manage and systematize innovative and collaborative events and hacker challenges at annual Queen's University hosted hackathon.
- Delegate**, Canadian Undergraduate Conference on Artificial Intelligence, Kingston, ON March 2019, 2020
- Selected delegate for panel session discussing future impacts of AI industry and workshops to foster innovation and tackle real-world settings with machine learning.

OTHER PROFFESIONAL EXPERIENCE

- Sales Associate**, SEPHORA, Calgary, AB May 2018 – Sept 2018
- Consistently exceeded sales targets in busy retail environment by communicating with potential customers to cultivate loyalty and offering customized customer service and advice. Enhanced ability to quickly connect and establish relationships of trust.
- Bartender/ Server**, Cibo, Calgary, AB May 2018 – Sept 2018
- High pressure and demanding role requires giving quality customer service in a high-paced environment. Strengthened skills in teamwork, problem-solving, communication, and working under pressure.

OBJECTIVE

To become part of a company that will allow me to grow and gain experience in applying my knowledge and skills from my education within a professional environment.

WORK EXPERIENCE

DRONE AND DIVE TEAM - UNIVERSITY INTERN

Ontario Power Generation

September 2019 – August 2020
Pickering, Ontario

- Developed technical procedures and checklists to increase the efficiency of data acquisition in the field
- Generated point-clouds, orthomosaics, and 3D models for technical reports using Pix4Dmapper
- Facilitated various work groups in planning a reactor face inspection within nuclear safety guidelines
- Created heat maps for tracking leadership development and safety within the department using Excel

AUTONOMOUS INTELLIGENT VEHICLE DESIGNER

Martinrea Inc. – Alfield Industries

May 2019 – August 2019
Woodbridge, Ontario

- Created mechanical models and electrical schematics using SolidWorks and AutoCAD
- Evaluated sensors, actuators, and mechanical components adaptable for industrial use
- Assessed plant conditions to calculate force, torque, and gearing ratios for all obstacles
- Developed a strong understanding of machine learning and autonomous navigation

TECHNICAL STUDENT

Toronto Hydro Electric Systems Ltd.

May 2018 – August 2018
Etobicoke, Ontario

- Produced civil and electrical designs for multiple projects in parallel using MicroStation and ProjectWise
- Calculated and analyzed pole loading and voltage drops according to THESL standards using Excel
- Prepared documents and presentations for technical meetings in the office and in the field
- Completed 2 large-scale rebuilds and 4 small-scale repairs under tight deadlines

EDUCATION & EXTRACURRICULARS

BESc MECHATRONIC SYSTEMS ENGINEERING

University of Western Ontario

September 2016 – April 2020
London, Ontario

- Currently enrolled in final semester after successful completion of fall semester and year-long internship
- Western Scholarship of Excellence and Bob Gage Athletic Leadership Award recipient

VARSITY ATHLETE (WOMEN'S BASKETBALL)

University of Western Ontario

September 2016 – May 2019
London, Ontario

- Able to manage time and maintain high academic standing while committing to 15+ hours per week
- Adapted rapidly to any challenges as a leader and as a team member with energy and persistence
- Developed strong verbal and interpersonal communication skills that fostered collaboration and respect

DISCOVER AI CHALLENGE

Microsoft Canada

April 2019 – June 2019
Toronto, Ontario

- Worked within a team of 4 to develop idea within a 1-month time frame and placed Top 25
- Developed a working prototype of the app using Microsoft PowerApps and Microsoft Azure
- Designed an app to promote climate action, quality education, and good health and well-being for all ages

TECHNICAL SKILLS

Drafting Programs: AutoCAD, MicroStation, Pix4Dmapper, SolidWorks

Computer Programming: Arduino, C, C++, Git, Python

Adobe Suites: Illustrator, InDesign, Photoshop

Databases: CES, ProjectWise, SAP, SQL

Circuit Design: Eagle, Quartus, MATLAB/Simulink, MicroCap

Microsoft: Access, Azure, Excel, PowerApps, PowerPoint, Project, Publisher, Word, Visio

PRACTICAL SKILLS

G2 Driver's License: Able to operate motor vehicles independently (G license in progress)

Advanced RPAS (Drone) Pilot's License: Able to plan and conduct advanced RPAS (drone) operations

JAKE ZELDIN

647-466-6834 | 17jjz@queensu.ca | <https://www.linkedin.com/in/jake-zeldin-101526178/>

Education

BASc. Computer Engineering - Artificial Intelligence Stream, Queen's University

2017 - Present

- 4.05 GPA – April 2022 expected graduation
- Recipient of Susan Near Scholarship for standing on year's work (2020)
- Three-time Academic All-Star for the accumulation of a high GPA during a varsity sport season
- Three-time member of Dean's Honour list for maintaining Dean's Scholar academic standing

Skills

- Programming experience in Python, C, SQL, Mongo, PHP, React, Node, Java, Assembly, HTML, CSS, and Excel and experience with libraries such as Pandas and Tensorflow
- Strong communication and leadership skills demonstrated as a captain for Queen's University Baseball
- Ability to write concise, detail-oriented technical documentation

Work Experience

Software Developer – Center for Advanced Computing, Kingston, ON

2020 - Present

- Individually worked with a client to improve the speed of their authentication system for their web application by using TTL documents in a mongodb collection to store the user's session ID. Preformed service updates and reboots for their virtual machine by being their main contact for continued maintenance
- Used react and node.js to update a client's artificial intelligence platform to comply with AODA (Accessibility for Ontarians with Disabilities Act) requirements, preform bugfixes and create new features
- Created an MVP for a new startup to be used in a pitch competition. This included gathering requirements for the MVP, creating a backend server using node.js to connect to a Mongo database and writing database queries
- Updated a registration system to gather more information on users and be more user-friendly using Django. Stored the information in a PHP database and created new users
- Used pandas to find which mixture of drugs results in the most adverse reactions in drug users by querying a csv with over one hundred thousand data entries and displaying the results in a bar graph
- Assisted in two workshops with 40 people each teaching the basics of python and apache spark by using my leadership and communication skills

Crew Leader - Pure View, Mississauga, ON

2018 – 2019

- Trained, managed and instructed employees daily using my leadership skills
- Addressed and solved customers real time problems using my verbal communication skills

Personal Projects

Hockey Rebound Predictor, QMIND

2020

- Trained a deep neural network with help from TensorFlow libraries using the client's, Iceberg Sporting Analytics, 500,000 pieces of sample data to predict the rebound angle of a shot in 30-degree bins surrounding the net
- Presented work at the 2020 Canadian Undergraduate Conference on Artificial Intelligence to industry professionals

Squash Ladder, QHacks (Queen's Hack-A-Thon)

2019

- Learned basic full-stack development skills (HTML, JavaScript, CSS and PHP) in under 36 hours to create a sports ranking web-application

Autonomous Robot, ELEC 299, Mechatronics

2019

- Programmed an automated vehicle using an Arduino board to avoid collisions, navigate a maze, and pickup and toss balls by utilising multiple sensors

Extracurriculars

General Member, Queen's AI Hub (QMIND)

2019 - 2020

- Attended the 2020 Canadian Undergraduate Conference on Artificial Intelligence and participated in multiple workshops and presentations presented by industry professional such as Geoffrey Hinton

Outreach Coordinator, Queen's Hack-A-Thon Executive Team (QHacks)

2019 - 2020

- Recruited several speakers and mentors to participate in the hack-a-thon which drew over 300 participants by reaching out over LinkedIn and being knowledgeable about their experience to connect with them
- Organized multiple hotels and flights for mentors to ensure the weekend ran smoothly by communicating with them to learn their schedules and preferences

Queen's University Baseball Team

2017 – Present

- Team captain 3rd and 4th year and awarded rookie of the year as a freshman

WORK EXPERIENCE

CURRENT, FROM MAY 2018

Founder and CEO of AVAI, Toronto

Software Startup

➢ Developed a fully functional AI video editing tool to automate post production workflows.

➢ Combining disciplines in Film, Cinematography and Computer Science, able to successfully generate innovative solutions to otherwise unsolvable problems.

➢ Self taught AI from online resources and coded an app from scratch

CURRENT, FROM MAY 2020

VP Sponsorship at CAIS, Ottawa

Carleton AI Society

➢ Increased sponsorship revenue growth by 500% from the previous year.

➢ Combining disciplines in Entrepreneurship, Story, Branding, Empathy and Computer Science, able to successfully generate innovative solutions to communicate unique values of CAIS organization for sponsorship.

➢ Taught members of CAIS skills in sales communication and email pitching in order to create cohesive understanding of our societies value propositions and how to articulate that to others.

DECEMBER 2019, FROM MAY 2016

DOP, Editor at JusReign.tv, Toronto

Youtube Personality

➢ Managing the entire process of creating videos, from production to post production with the organization of a small team.

NOVEMBER 2019 FROM SUMMER 2018

Director, Producer, Cinematographer, Editor of NO ENGLISH

Award Winning Short Documentary

➢ Best Short Film, Best Cinematography University of Toronto Short Film Festival 2019. Official Selection Vancouver International South Asian Film Festival 2019. Official Selection Toronto Short Film Festival 2019. Official Selection Chicago South Asian Film Festival 2019.

➢ Lead an independent team, including a composer, scorer, graphic designer, writers and more

➢ Custom coded films website and shop www.noenglish.world from scratch using, React.js, Webpack, Node.js, Express.js and front end libraries. Used REST API's for Paypal shop and shipping module.



Japinder Sandhu



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Ontario L6Y3Y9 Canada



647 830 4540



salutations@japi.ca



www.japi.ca

References Available Upon Request

EDUCATION

2015 – PRESENT

Computer Science Honors

*Carleton University
Ottawa, Canada*

FILM SKILLS

EDITING Adobe Premiere Pro, Adobe After Effects
Adobe Master Suite - Since 2008
Final Cut Pro - Since 2008
Davinci Resolve

EQUIPMENT MōVI M15 - Since 2014
Mōvi Controller
C100 mkii, 70Dmkii
Zeiss ZE SLR kit
DJI Inspire 2 Drone

SOFTWARE SKILLS

Programming C/C++, PYTHON, JAVA
Javascript, Node.js, Express.js, AJAX
JSON, Ruby On Rails, SQL, PHP,
HTML, CSS, SASS, L^AT_EX

Robotics ARDUINO, RASBERRYPI, MATLAB

Learning VISUAL BASIC, C#, Objective C
ANDROID JAVA, J2OBJC, IOS Swift

Joshua Harris

■ Canadian/Dominican
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▀ 21

📞 6136180234
✉ www.linkedin.com/in/joshuaharris



EXPERIENCE

Junior Project Officer (Student) 05/2019 – 12/2019

Canada Revenue Agency , Ottawa, Canada

- The Chatbot+ team allowed me to touch on all stages of project development in the public sector.
- As a computer science student , I had a unique position in the project management office.I educated co-workers on the possibilities and back-end limitations of the question and answer chatbot we built that handles tax questions for all of Canada.
- Taking advantage of my tech background, I assisted my team in the development of business requirements in the planning phase. I also advise my team users poorly rated/used features during the project. This created a more robust chatbot and reduced scope creep.
- I produce a centre for artificial intelligence news available to any employee in Digital Services. It was a collection of news articles on how the public and private sector implemented and improved them.

Ambassador 08/2018 – present

MentorU, Ottawa, Canada

I represent the Discover Year Program as an alumni. I use my strong communications skills to educate others on the foreign idea of a gap-year. I've had the chance to speak at schools and conferences with audiences of 100+ with confidence.

English Teacher 07/2017 – 12/2017

Funbulous, Ottawa, Canada

I taught English as a second language to students in China through an interactive online classroom with students ages ranging from primary to secondary school.

Area Marketing Manager 04/2018 – 08/2018

Ignite Marketing, Ottawa, Canada

As a team manager, I looked after the wellness of employees, monitored their growth, and correlated it to increased sales. Above all, I listened to their concerns and intrinsically motivated them while performing my managerial duties.

Team Member 10/2013 – 10/2016

Tim Horton's, Ottawa, Canada

Member 05/2019 – 12/2019

Toast Masters, Ottawa, Canada

Vice President of External Affairs 09/2019 – present

Enactus Carleton, Ottawa, Canada

EDUCATION

Computer Science 09/2017 – present

Carleton University, Ottawa, Canada

Over the 5 semesters I have spent at Carleton, I have grown significantly as a programmer. Learning different programming languages has allowed me to develop efficient coding practices applicable across many languages. It continues to give me insight into the limitations & advantage of different algorithms and data structures.

Career College 06/2016 – 06/2017

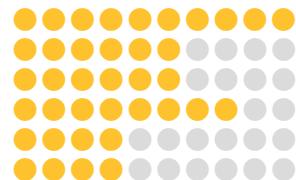
Discover Year, Ottawa, Canada

Discover Year is a career and personal development program that aims to help young adults create meaning and purpose in their lives. This is accomplished through experiential learning, soft skills training & self-exploration. The one-year program integrates work, travel, community service, skills workshops, coaching and mentorship.

SKILLS

Programming Languages

Java
Java Script/HTML
C
C++
Python
C#



HOBBIES



Gaming



Audio books



Fitness

ACHIEVEMENTS

MC for Digital Service Day. This event was the second of its kind celebrating the hard work of individuals in Digital Services Directorate(150+ employees) in a game show style. The day consisted of small work related mini-games involving students and Director participation. In tandem with my French MC, we created a high-energy and fun atmosphere adjusting smoothly to changes for a fluid audience experience.

KATIE LU

a designer, developer, and innovator
eager to make things happen.

17kygl@queensu.ca ✨ +1 343 333 7558 ✨ linkedin.com/in/katie-lu-0244b8170/

EDUCATION

Bachelor of Arts in Computing & the Creative Arts, Queen's University

Kingston, ON | August 2017 - Present

Specialization in Computer Science + Art History, expected graduation May 2021.

EMPLOYMENT EXPERIENCE

IT Staff, Alma Mater Society of Queen's University Kingston, ON | Sep 2018 - Present

Managed accounts using Office 365 and Google Admin and monitored requests using iTrack.

Maintained and redesigned websites, enhancing accessibility and improving design.

Communicated with services and commissions on how to fix common technical issues.

Digital Content Assistant, Museum of Healthcare Kingston, ON | July 2020 - August 2020

Responsible for redesigning branding guidelines, analyzing social media data, and creating graphics for marketing campaigns.

Assisted in artifact photography and photo editing.

Information Management Consultant, Kinsight Remote | Sep 2019 - Sep 2020

Consulted with current staff on the continued development and maintenance of the information management system created.

Developed training tools for new staff.

Information Management Assistant, Kinsight Coquitlam, BC | May - Aug 2019

Led the development of an information management system for a nonprofit, creating documentation and training guides for its successful implementation.

Improved business processes and workflows while consulting with different areas of the organization.

Participated in facility visits and meetings with directors and front line staff.

EXTRACURRICULARS

Marketing Coordinator + Web Dev

Canadian Undergraduate Conference on Artificial Intelligence
May 2020 - Present

Led the rebranding of a 475+ person conference with national reach.

Created graphics, original illustrations, branding guidelines, and marketing campaigns.

Helped design and develop cucai.ca using React.js and Gatsby.

Graphic Designer

Queen's Women In Computing
May 2020 - Present

Created graphics/illustrations and assisted in web design for a club promoting gender equality in tech.

Outreach Executive

Queen's Web Development Club
Feb 2019 - Present

Responsible for sponsorship acquisition, community outreach, and hiring.

IT Director

Arts & Science Undergraduate Society
Sep 2019 - April 2020

Maintained & managed the IT assets of the Arts and Science Undergraduate Society.

Sat on the ISAT committee of Queen's University, helping the university create innovative IT projects.

SKILLS

HTML/CSS, Bootstrap, Gatsby, Javascript, React, XAMPP stack, Git, BASH, Python, Haskell, Prolog and Java. Some C. SharePoint. Adobe Creative Suite. Figma. Digital vector art. UX/UI design.

KEITH STACK

306-405-0194 • keith.stack@mail.mcgill.ca

EDUCATION

Athabasca University Bachelor of Science in Computing and Information Systems (GPA: 4.00)

2017 – Present

- Relevant Courses: Introduction to Computing and Information Systems, Introduction to Computer Programming (Java), Data Structures and Algorithms, Operating Systems, Computer Networks, and other courses in progress

Canadian Securities Course – Canadian Securities Institute Exam Certification

2016

- Broad-based survey of finance, accounting, and economic principals including financial statement analysis, securities regulations, and other investment products

McGill University Bachelor of Economics, minor in political science

2014

- Relevant Courses: Statistics for Economics, Money, Banking and Government Policy, Political Economy of Trade Policy, International Monetary Relations, Crisis Economics, Micro and Macroeconomic theory

Stock Trading Academy / Tactico Inc. – Proprietary Trading Course/ Trading Apprenticeship, Montreal, Quebec

2014

- Introduction to high frequency trading strategies, market data, types of securities, trading regulations and trading simulations

Institute of Trading and Finance – Futures Trading Course, Montreal, Quebec

2014

- Focused on Macroeconomic Indicators, Central Banks and economic data based trading strategies

SKILLS

Language Skills: Fluent verbal and written English, advanced verbal French

Computer Skills: Highly computer literate. Basic programming in Java and Python. Familiar with data structures and algorithms, operating system engineering, networks and networking protocols. Fluency in Microsoft Office (Word, Excel, PowerPoint), a typing speed of 60 wpm, and a very fast learner.

WORK EXPERIENCE

Customer Service Representative, Farm Credit Canada, Regina, Saskatchewan

2015

- Approved commercial loan applications, both large (>100K) and small including security registration
- Responded to ad-hoc client requests and contacted clients on behalf of bank reconciliation

Banquets Houseman, Fairmont Queen Elizabeth Hotel, Montreal, Quebec

2007 – 2011

- Arranged settings for banquet functions and corporate events on the largest banquet floor in Montreal
- Methodically collaborated with event planning officials to meet and exceed their expectations

Stock Agent, Banana Republic, Montreal, Quebec

2006 – 2007

- Organized the stock room and retail space while keeping a strong knowledge of both
- Completed scheduled inventory management duties on a strict timeline

Guest Service Agent, Fairmont Banff Springs Golf Club, Banff, Alberta

2006

- Provided superior customer service greeting and organizing golfers in a fast paced environment
- Organized and set-up for many large events including the 2006 Telus Skins Game

VOLUNTEER

Online English Teacher, Elimu Pamoja Online Tutoring Program - Remote

2018

- Tutored grade 6 students in Nairobi, Kenya – including oral conversation and reading a textbook together

Conference Operations Assistant, Montreal International Design Show (SIDIM), Montreal, Quebec

2014

- Greeted and directed incoming and outgoing patrons, provided security and setup/take-down of installations

HOBBIES AND INTERESTS

I am a passionate learner on topics such as investing, computer programming, technology, entrepreneurship, languages, attending academic lectures, and scholarly reading. My artistic pursuits include keeping up with the latest in art, fashion, food, and healthy living. I love exploring the outdoors as much as I love exploring an urban environment. I love learning about other cultures and I appreciate diversity. I am fascinated with the differences, and similarities in cultures which lead to the concept of "natural law." I am always eager to create opportunities to explore diverse perspectives which challenge my thinking.

KELSEY HORN

kelseyh@sympatico.ca | 416-529-5702 | www.linkedin.com/in/kelsey-horn | 248 Balsam Drive, Oakville ON, L6J3X6

EDUCATION

Dual Degree: Bachelor of Applied Science in Mechanical Engineering and Bachelor of Computing 2017- (Expected) May 2022

Queen's University, Kingston, ON

- Focusing within Mechanical Engineering in Mechatronics Engineering; Cumulative GPA of **3.99/4.3**.
- **Academic accomplishments:** Queen's University Excellence Scholarship, Dean's Scholar 2017-2020.
- **Faculty Involvement:** Orientation leader, First Year Executive Committee Member, Sci-Formal Art Manager, Englinks Tutor.
- **Relevant Coursework:** Applications Numerical Methods, Intro to Computing I & II, Engineering Data Analysis

PROFESSIONAL EXPERIENCE

Teaching Assistant – Measurement in Mechatronics, Queen's University, Kingston, ON September 2020 – December 2020

- Helped students during labs sessions with implementing various experiments on the AdaFruit ItsyBitsy microcontrollers with TMP36, LED's, BME280, and switches using **C** in the Arduino IDE.
- Responded to students emails with help in understanding mechatronics concepts including programming in C, using **Python** in Jupyter Notebooks for data exploration and working with microcontrollers and breadboard elements.

Data Analyst Intern, Geotab, Oakville, ON May 2020 – August 2020

- Lead an experimental project to assess the overall value of an application aimed at addressing critical issues in growth and retention of client fleets through predictive evaluation with **SQL, Python and Excel**.
- Created a custom UX and UI interface with wire framing, user flow exploration and prototyping in **Figma** for an API hosted on Geotab's client-facing fleet management application.
- Implemented an XG-Boost machine learning model with **Python** through data cleaning and hyper parameter tuning to discover relationships between climate and traffic data for a client.

Associate Data Analyst Intern, Geotab, Oakville, ON May 2019- August 2019

- Cleaned and aggregated rational databases using **SQL** in **BigQuery** to evaluate existing data filtering algorithms for inconsistencies and bias in temperature readings for over 1.5 million vehicles.
- Designed and developed dashboards and figures through **Python, Redash and Google Visualizer** to create clear and concise visual representations used in pitch deck creation for potential clients.
- Pioneered an original project through ideation, implementation and evaluation stages on predictive engine failure through J1939 engine error-code data clustering using association rule mining algorithms.

EXTRACURRICULAR EXPERIENCE

Director of Marketing, QMIND, Kingston, ON March 2020- Present

- Collaborated to develop and implement strategic and tactical branding and marketing plans with specific contingency scenarios for COVID related setbacks and an overall club budget of over \$150,000.
- Managed a team of 8 coordinators from 3 different branches and introduced agile sprint planning in **Notion** and social media scheduling software for project management of marketing campaigns.

Data Science Intern, Betalab, Kingston, ON March 2019 – Present

- Completed fast.ai's 8-week course on machine learning and neural networks in **Python** with high accuracy.
- Researched and trained an LSTM stock prediction model in **Python** to predict 10-day advancements in Apple stock pricing.

Manager of Events, Robogals, Kingston, ON March 2019 – March 2020

- Planned and executed two on-campus, full-day events to provide young girls ages 6-12 with workshops related to HTML website design, LEGO EV3 robots, Arduino basics and female empowerment with the goal of inspiring the next generation of women in STEM.

SKILLS AND ACCOMPLISHMENTS

- **IT:** SQL, BigQuery, C, Python, Figma, Java, MATLAB, Simulink, AutoCAD, Photoshop, Procreate, Google Suite, MS Office.
- **Engineering:** Prototyping, design, testing, workflow development, technical report writing.
- Case Competition Winner - Toronto McKinsey Challenge 2020
- Team Canada - Acrobatic Gymnastics Member, 2016
- Queen's Applied Science Class of 21 Year Crest Design Recipient

REFERENCES: Available upon request

Kyle Air

kyleair8@gmail.com | (647) 629-5953 | 49 Abinger Crescent, Toronto, ON, M9B 2Y4

EDUCATION

Queen's University

Kingston, ON

Bachelor of Applied Science – Applied Mathematics and Computer Engineering

Expected April 2021

- Course Material: Algorithms; Data Structures; Information Theory

WORK EXPERIENCE

Citi

Mississauga, ON

Software Development Analyst Intern

July 2020 – August 2020

- Automated portfolio analysis via creation of price comparison tools using Python and PowerBI
- Gained proficiency in AWS through projects creating EC2s, S3s and Lex instances
- Presented prototype for Citi consumer trading platform following LeanUX methodology
- Deployed Python Flask REST API microservice in Docker, utilizing BitBucket and CD/CI practices

Merrick's Law Group

Toronto, ON

Summer Intern, Personal Injury Law

June 2019 – August 2019

- Completed an 11-week summer position at a personal injury law firm with over 500 clients, helped improve the existing client Microsoft Excel workbook using the vlookup function and several pivot tables, created a new client injury intake form within Microsoft Word
- Transitioned the previous client database of 500 case files into a new case management software for ease of electronic access

EXTRACURRICULAR EXPERIENCE

QMIND (Queen's AI Team)

Kingston, ON

Software Developer, Sports Data Analytics Project

September 2019 – April 2020

- Part of a four-person team completing a yearlong collaborative project for QMIND client “Iceberg Analytics”, a hockey analytics company which performs and provides data analysis for NHL teams
- Utilizing the preexisting datasets and computer vision tools provided by the client, our team’s final product used machine learning techniques (deep neural net) to predict the rebound location of a shot for a goalie to optimize strategic gameday planning for coaches

Queen's Space Engineering Team

Kingston, ON

Software Developer, Electrical Team

September 2018 – April 2019

- Designed and built/programmed a “Mars Rover” to be used in a country-wide university competition as a part of the electrical team
- Progressed general programming skills using ROS (Robot Operating System) to send and receive video feed, and using GitHub for version control within a group repository

SKILLS, ACTIVITIES & INTERESTS

Technical: Programming (Python, Java, C++, MatLab, SQL); Microsoft Office Suite; Data Science

Activities: Ontario Engineering Competition; QHack's Coding Conference; Engineering Faculty Tutor

Interests: Hockey; Chess; Rubik's Cube; Juggling; Squash; Basketball

Education

Bachelor of Computer Science Honors, Network Computing Stream
Carleton University, Ottawa, ON Canada

September 2017 - Present

- Fourth-year Undergraduate, CGPA 8.74/12 (B)
- Minor in American Sign Language
- Web designer and Vice President Events, Carleton Artificial Intelligence Society

Skills, Experiences and Accomplishments

Technical Skills

- Proficient in several programming languages including C, C++, C#, Python, Java, Node.JS, ReactJS, PHP, HTML, CSS, and Visual Basic for Applications
- Identified a virus on a Linux server by analyzing Syslogs and utilizing antivirus software to mitigate infection and transfer files safely to a clean server
- Configured a new Linux server for a Node.JS web server with the latest updates to increase efficiency and reduce security vulnerabilities
- Problem solved design and technical issues using critical thinking skills to quickly resolve issues that resulted in new features that are utilized by users
- Utilized Git version control repositories and tools and applications for projects with multiple developers to manage and track versions and issues for improved response to bugs
- Examined Valgrind output of C and C++ applications to determine bugs and memory leaks to improve the performance of the application
- Developed Python software to read Excel spreadsheets then convert it into JSON format to be uploaded to a server to efficiently import data over the RESTful API

Communication Skills

- Developed effective communications skills by utilizing email, Slack, Microsoft Teams and other online communication software implemented by employers and professors
- Implemented SharePoint and OneDrive as a document sharing service to help increase access and collaboration to documents when many people needed to access them
- Designed and presented software prototypes that emulate client requirements that resulted in the adoption of the proposed design by the client

Work Experience

IT Security Analyst, Shared Services Canada
Government of Canada, Ottawa, ON Canada

Summer 2020 – Current

- Developed Python import scripts to import data stored in files into RSA Archer by using the RESTful API resulting in improved import efficiency and secondary storage of archived records
- Quickly analyzed the current business process and was able to translate the process into RSA Archer's Advanced Workflow software to automate business processes and reduce user error
- Designed, presented, and developed RSA Archer applications to meet the requirements set out by management which resulted in less reliance on the vendor
- Documented user workflows in software to be used as a guide by users and documented technical processes for future use by the technical team
- Oversaw and improved the Windows Server Azure stack running RSA Archer, Microsoft SQL and Microsoft IIS applications which resulted in reduced cloud computing costs
- Coordinated between the vendor, team, and upper management to effectively relay important information about the RSA Archer applications resulting in less reliance on team meetings

Teaching Assistant, School of Computer Science
Carleton University, Ottawa, ON Canada

Fall 2018 – Current

- Invited to serve as a computer science teaching assistant after first year of studies
- Developed skills working with university students in a learning environment teaching them how to program in C++, Python and Java by mentoring and tutoring to help them achieve their best academically
- Established personal communication and organizational skills in an academic environment engaging with professors, lab coordinators and other teaching assistants in a professional environment to aid with the course running smoothly

Liana Evans

Designer | www.lianaevans.ca | lianaevans@rogers.com | Toronto, ON

I am a fourth year Computer Science student with a passion for all things design. I thrive in an environment where I can use my creative skills to solve challenging problems.

Professional Experience

Chief Marketing Officer

Brain Munch | October 2020 - Present

- Created a brand vision for a trail mix start-up
- Establishing a brand social media presence with custom graphics
- Designed & Developed E-Commerce website with **Shopify**
- Used **Figma & Adobe Suite** to create visual identity

Web Developer

Beaches Natural Foods | May 2020 - September 2020

- Created a static **HTML/CSS** site for a local grocery store
- Updated the store's brand identity with new logo
- Converted existing site to E-Commerce store with **BigCommerce**
- Began data entry and customization for E-Commerce store

Extracurricular Experience

Co-Chair

Queen's Web Development Club | January 2021 - Present

- Ran Tutorials in **UX/UI Design** and **Web Design** in Figma
- Designed websites for implementation by development teams
- Aided club teams with **HTML, CSS, and Javascript** work

Marketing Coordinator

inQUBate | May 2020 - Present

- Created a brand identity for Canada's first student-run AI incubator
- Designed and built club website in **Squarespace** with custom code
- Designed and maintained the club's social media feeds

Wiki Design Lead

Queen's Genetically Engineered Machine | July 2020 - October 2020

- Designed static wiki for team's entry into International Competition
- Led development team to implement site with **HTML, CSS,**

Education

Queen's University

Bachelor of Computing

Computer Science Specialization

Projected Graduation - September 2021

Skills

Website Design & Development

User Experience Design

User Interface Design

Graphic Design

Software Development

Data Analysis

Software & Programming Languages

Figma

Adobe Photoshop

Procreate

Adobe Illustrator

Canva

Microsoft Suite

HTML

CSS

PHP

Bootstrap

Javascript

React

Python

Java

Other Interests

World-Level Competitive Irish Dancer

Film

Pointilism & Pen Art

Travel

Music

Lucas Borchenko
647-637-9490
lucasborchenko@gmail.com

Skills Summary

- Exceptional communication skills, in person, on the phone and via email
- Creative and adaptive in new environments and organizations
- Self-motivated, goal orientated, and passionate
- Experience staffing for MPs, candidates, and student politicians
- Research abilities, focused on Artificial Intelligence and its impacts on political society

Experience History

Professional

- Vice-Chair for Alma Mater Society of Queen's University Board of Directors (May 2020 – Current)
- Phonebank Support for the Ontario Liberal Party (September 2020 – Current)
- Database and Systems support for Ontario Liberal Party (September 2020 – Current)
- Secretary of Internal Affairs (Commission of Internal Affairs) for the Alma Mater Society of Queen's University (May 2019 - April 2020)
- Constituency Assistant to Member of Parliament Julie Dabrusin (October 2016 – August 2017, June 2018 – August 2018)

Queen's University

- Alma Mater Society OUSA delegate (2019)
- Students for OSAP Co-Founder and co-organizer (January 2019 – Current)
- Arts and Science Representative to the Alma Mater Society of Queen's University (March 2018 – March 2019)
- Political Studies Departmental Student Council Second Year Representative (April 2018 – April 2019)
- Political Studies Departmental Student Council First Year Representative (November 2017 – April 2018)
- Acting Liberal Association President (March 2020 – October 2020)
- Liberal Association General Director (April 2019 – March 2020 / October 2020 - Current)
- Liberal Association Vice President Federal / Organizational Officer (April 2018 – April 2019)
- Liberal Association First Year Executive (September 2017 – April 2018)
- Philosophy Student Council Class Representative (October 2017 – April 2018)
- Residence Society Floor Representative (September 2017 – April 2018)
- Female Leadership in Politics Delegate (2019)
- Model Parliament Delegate (2018, 2019, 2021)

Young Liberals

- YLC (Ontario) Chair / Liberal Part of Canada (Ontario) Board Youth Representative (May 2019 – Current)
- YLC (Ontario) Vice-President English (April 2019 – May 2019)
- YLC (Ontario) Executive Director Policy / Acting Communications director (August 2018 – May 2019)
- OYL Recharge Communications Team Platform Writer (September 2018 – October 2018)

EDUCATION

FACULTY OF ENGINEERING, Queen's University
B.A.Sc Applied Mathematics and Mechanical Engineering

Kingston, ON Canada
Class of 2021

PROFESSIONAL COMPETENCIES

- Microcontrollers
- Leader and Team Worker
- Analytical Capabilities
- Technical Writing
- Database Management
- Software Development

EXPERIENCE

SMART-TAP

Full Stack Developer/Founder

Kingston, ON Canada
May – August 2020

Developed a software and hardware system to build an intelligent beverage tracking application. Smart-Tap monitors volume with detailed logging into Smart-Tap's database. User accounts display a history of all logs which are aggregated to show comprehensive statistics, including balance.

- Database integration with basic CRUD operations, and advanced aggregation
- Hardware and Arduino IDE interfacing to initialize and calibrate sensors
- Extensive Javascript and Mongo.db to create a clean user interface

SIROIS & SONS

Construction Assistant

Ottawa, ON Canada
May – August 2019

Completed a 600 square foot, two story addition which included a complete kitchen renovation as well as a master bedroom, rooftop patio, and deck addition.

- Worked directly with the homeowner and project manager to complete the architect's designs on schedule and on budget, learned how to transform a drawing into a real-world product

STANTEC

Summer Student Intern

Waterloo, ON Canada
May – August 2018

Applied analytical and time management skills as a member of Stantec's Water department, headed by the Senior Project Manager. Gained invaluable exposure to their corporate consulting methodologies.

- Lead an inflow and infiltration study across three townships to monitor the regions water treatment system
- Prepared invoices and kept track of multi-million-dollar project budgets

LEADERSHIP AND VOLUNTEER EXPERIENCE

QUEEN'S VERTICAL FARMING TEAM (QVFT)

Queen's University
May 2020 – present

Software Engineer

- Using micro-controllers, sensors, and output devices to create a system that moderates the vertical farm's environment to maintain optimal growing conditions

MAYOR'S INNOVATION CHALLENGE

City of Kingston
February 2020

- Shortlisted for the Mayor's Innovation Challenge, Demonstrating Leadership on Climate Action

COMMUNITY CONNECTIONS PROJECT

City of Kingston
May – August 2020

- Held weekly calls with Queen's Alumni to engage in conversation during COVID-19 isolation

QUEEN'S STUDENT INVESTMENT GROUP (QSIG)

Queen's University
Sep 2018 – 2019

Treasurer

- Managed QSIG financial accounts, and provide advice regarding financial decisions

TECHNICAL SKILLS

Advanced: Excel, Word, Project, Teams, MATLAB

Proficient: SQL, JavaScript, C, Python

Developing: Linux, IoT

ACCOMPLISHMENTS

Golf Handicap below 5 (present)

Completed solo backpacking trip through Central America (2017)

Excelled at all four high schools attended in three different cities across Canada (2012-2016)

Madeleine Liblong

Mechanical Engineering Student

416 420 6440 

16mkl3@queensu.ca 

Maddy Liblong 

I am a bright and hardworking individual passionate about helping others through engineering. I pride myself in my ability to collaborate with others, approach all tasks with the highest level of motivation, and creatively problem solve.

TECHNICAL SKILLS

- Microsoft Office
- MATLAB
- Simulink
- AutoCAD
- Solid Edge
- Catia

PROFESSIONAL SKILLS

- Report Writing
- Team Leadership
- Project Management
- Prototyping
- Public Speaking

Awards and Achievements

Summer Undergraduate Research in Engineering Award
McGill University / 2020

Charles Allan Thompson Summer Research Award
Queen's University / 2020

Dean's Scholar
Queen's University / Fall 2019 - Spring 2020

EDUCATION

Bachelor of Applied Science in Mechanical Engineering
Queen's University | 2017 – 2021

- Studying mechanical engineering with a specific focus on biomechanics (ME3 option)
- Relevant courses: Biomech. Product Development, Biomaterials, Musculoskeletal Biomechanics, Frontiers in Biomechanical Engineering, Anatomy of the Human Body, Kinematics and Dynamics, Intro to Elec Circuits & Machines, and Engineering Data Analysis

PROFESSIONAL EXPERIENCE

SURE Research Student

Luc Mongeau's Lab - McGill University / August 2020 - December 2020

- Member of Dr. Mongeau's research group studying cancer therapeutic treatments with heated carbon nanotubes.
- Primary tasks included conducting preliminary research and presenting a proposed experimental procedure to construct a tumorous hydrogel environment.

Summer Research Student

BDAT Lab - Queen's University / June 2020 - August 2020

- Assisted Dr. Davies and Dr. Hashtroodi-Zaad in designing an at-home rehabilitation robot for stroke survivors. My main roles included analyzing stakeholder interviews, identifying design specifications and user needs through ICF criteria, conducting a competitive analysis, and crafting a QFD model.

Summer Research Student

BxRL Lab - Queen's University / June 2020 - August 2020

- Assisted Dr. Wu in the design and testing of community based personal protective equipment during the COVID-19 pandemic. My main roles included analyzing the durability, comfort, reusability, and safety of face shield models.

Engineering Intern

Warren Industries / May 2019 - August 2019

- Developed automotive models and drafts on Catia and Solid Edge.
- Conducted safety and strength testing for various car components, such as door and hood hinges, and assisted in the development of client reports and documents.

EXTRACURRICULAR EXPERIENCE

Queen's Biomedical Innovation Design Team Member

Queen's Engineering Society / September 2020 - Present

- Responsible for designing the ergonomic components of a lightweight wheelchair chassis.
- Conducted research to identify current products, potential materials, folding mechanisms, and essential wheelchair parameters.

Conference Co-Chair

Canadian Undergraduate Conference on Artificial Intelligence / April 2019 – March 2020

- Led the \$140K undergraduate conference through the recruitment and management of an executive team.
- The conference was a three day event in Toronto, Ontario attended by over 200 students from several Canadian schools.

R E F E R E N C E S

CLAIRE DAVIES
Queen's University
Research Supervisor
E: Claire.davies@queensu.ca

AMY WU
Queen's University
Research Supervisor
E: amy.wu@queensu.ca

KEYVAN HASTHRUDI-ZAAD
Queen's University
Research Supervisor
E: khz@queensu.ca

LUC MONGEAU
McGill University
Research Supervisor
E: luc.mongeau@mcgill.ca

Integrated Learning Center Constable

Queen's Engineering Society / April 2019 – September 2020

- Responsible for keeping the engineering facility open to students, promoting a positive study environment, acting as a resource to peers, renting out laboratory equipment, and providing academic assistance to undergraduate students.

Alumni Relations Committee Member

Queen's Engineering Society / September 2018 – May 2019

- Piloted a kickstart mentorship program that paired current students to Queen's engineering alumni. The program worked to reconnect Alumni to the university while providing a supportive and knowledgeable mentor for students.

Head of Academics

Queen's Engineering Frosh Week Committee / October 2017 – October 2018

- Designed academic Orientation Week events to help prepare incoming students for their upcoming school year, introduce them to the resources available on campus, and provide insight towards involvement opportunities.
- Highlight events included course preparation seminars, Professor introduction sessions, and a club fair.

Matt Wright

matt.wright@queensu.ca | (587) 439-6040 | [LinkedIn](#)

Professional Profile

I am an extremely dedicated worker with a passion for technology, innovation, and learning. I deliver high quality, data-driven solutions and thrive in a fast paced, collaborative team environment. I completed my third year as a Dean's List scholar at Queen's University, studying Engineering Physics, specializing in Computing. I am deferring the current academic year to pursue a range of internships at challenging and innovative companies.

Relevant Experience

Data Science Intern | ThinkData Works

September 2020 – Present

- As part of the R & D team, I am building lightweight, scalable Natural Language Processing (NLP) solutions with Python to solve the problem of entity resolution on big data for enterprise use in an agile team.
- I optimized and productionized the current model, leveraging PySpark to reduce the memory burden by over 50%, introducing horizontal scalability to the product, while reducing runtime by more than 20%.

Software Development Engineer Intern | Amazon

June 2020 – August 2020

- Built a native AWS architecture to transform ML model output in an efficient and fault tolerant way while allowing for the simplistic addition of other models at low cost. Gained experience building cloud based solutions, working in a fast paced agile team, and designing robust, reusable code.
- Took an internal 3-day intensive NLP course and placed 4th in a final NLP challenge with other Amazonians.
- Lead knowledge sharing session to teach fellow software engineers the fundamentals of machine learning.

Teaching Assistant | Queen's University

September 2019 – April 2020

- In-class TA for Introduction to Computer Programming for Engineers. Helped engineering students learn to design correct and efficient algorithms in C and MATLAB with applications to engineering problems.
- Also employed by the Department of Physics as a marking TA for the second year Special Relativity and Quantum Physics course as well as the Electricity and Magnetism course.

Team Lead & Data Scientist | QMIND – Queen's AI Hub

September 2018 – April 2020

- Year 1:** As a general member data scientist, I developed a deep convolutional neural network in Python to classify lung CT scans as cancerous. Our team's model achieved an 83% accuracy using the LUNA16 dataset.
- Year 2:** As a client facing team lead, I worked closely with Coopersators Insurance to automate property risk calculation – a resource intensive task especially when dealing with difficult clients. I designed an unsupervised model that classifies risk of a property by analyzing neighborhood census data and Street View. Used a deep convolutional auto-encoder to reduce the dimensionality of the processed images.

Technology Coordinator | QHacks – Queen's Hackathon

April 2019 – February 2020

- QHacks 2020 executive responsible for developing and maintaining the back end of the digital platform used by 700+ individuals, managing hardware at the event, and providing technical support to the executive team.

Test and Assembly Engineering Intern | ZeroKey

May 2019 – August 2019

- Designed user-friendly testing program to automate data collection reducing testing hours by over 50%.
- Spearheaded a research project investigating regression algorithms and ensemble methods to improve range calculation. Using Python and libraries like scikit-learn and Keras, I achieved a 4 mm absolute error (comparable to current algorithm) and brought machine learning to ZeroKey.

Education

Engineering Physics – Computing Specialty (BASc) | Queen's University

2017 – April 2022

- Achieved a 4.08/4.3 GPA. Principal's Scholarship, W. W. Near Scholarship, Dean's List Scholar every year.
- Relevant Course Work:**
 - Studied implementation and complexity of algorithms and data structures in C. Learned about object-oriented programming and GUI design in Java. Studied and implemented numerical methods in MATLAB. Learned computational techniques and statistical data management in Python. Worked in an agile team to design a C++ app. Educated in data analytics and probability theory. Taking Business Fundamentals.

Interests and Activities

- Rock climbing. Competed in the Youth World Championship on the National team. Also coached young athletes.
- Rugby. Played as scrumhalf and captain for high school team and played on University club team.
- Baking. Founded a small business selling an assortment of freshly baked goods around University campus.

Nick Cheney

613-294-7733 | 16nrc2@queensu.ca | linkedin.com/in/nicholas-cheney | github.com/NickCheney

EDUCATION

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| Bachelor of Computing (Honours) Queen's University | Sept. 2017 – Present Kingston, ON |
| <ul style="list-style-type: none">• <i>GPA: 3.86/4.3</i>• <i>Specialization in Biomedical Computing</i>• <i>Dean's Honour List: 2018-2020</i>• <i>Relevant Coursework:</i> Data Structures, Algorithms, System-Level Programming, Computer Architecture, Linear Data Analytics, Fundamentals of Software Development, Artificial Intelligence, Database Management Systems | |

EXPERIENCE

| | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Design Team Member , Queen's AI Hub (QMIND) | Sept. 2020 – Present |
| <ul style="list-style-type: none">• As part of a team, developing an AI-based algorithm to predict risk scores for diabetes patients• Contributed to pre-processing of patient EHR data using NumPy and pandas• Currently developing and testing LSTM and GRU RNN deep learning models using TensorFlow | |

| | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Genomics Research Assistant , Queen's Genomics Lab at Ongwanada | Summer 2020 |
| <ul style="list-style-type: none">• Developed bioinformatics data pipelines in a Linux environment• Used “in silico” tools to identify novel mutations in genetic samples• Composed scripts in bash and python to sort and classify identified mutations• Analyzed and graphed results using Matplotlib | |

PROJECTS

| | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| Gamma Knife Radiosurgery <i>MATLAB</i> | Oct. 2020 – Dec. 2020 |
| <ul style="list-style-type: none">• Implemented software for a simple Gamma Knife Radiosurgery system in MATLAB• Developed modules to visualize the operation scene in 3D and compute a successful tumor removal treatment plan | |
| Super Smash Gaels <i>C++, Qt, Git</i> | Sept. 2020 – Dec. 2020 |
| <ul style="list-style-type: none">• Developed a two-player fighting-style game in Qt Creator with a small Agile team• Managed project workflow using the SCRUM technique in Jira, using sprints and issues to track progress• Shared and integrated project code using Bitbucket in order to maintain version control• Documented all team decisions and communicated through Confluence and other CASE tools | |

| | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| Animal Rescue Information System <i>MySQL, Apache, PHP, HTML, CSS</i> | Jan. 2020 – Apr. 2020 |
| <ul style="list-style-type: none">• Created a relational database for an animal rescue system in MariaDB using XAMPP• Produced an associated front-end website using HTML/CSS via Apache HTTP Server• Implemented queries using PHP data objects to allow website users to access database information | |

EXTRACURRICULAR ACTIVITIES

| | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Head Coach/Athlete , Queen's Nordic Skiing Varsity Club | Sept. 2017 – Present |
| <ul style="list-style-type: none">• As an athlete, competed for the ski team for 3 years at the provincial and national level• As a coach, designed and led COVID-19 safe team practices to allow for continual training during the pandemic• Contributed to athlete well-being by organizing and hosting virtual social events | |

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (MySQL), HTML/CSS, PHP, R, Bash, MATLAB, Haskell, SWI-Prolog
Developer Tools: Git, VS Code, Visual Studio, IDLE, Eclipse, Qt Creator, Jupyter Notebook, phpMyAdmin
Libraries/Frameworks: pandas, NumPy, Matplotlib, TensorFlow, JavaFX, Qt

Nick Totman

647-527-8409 | nick.totman@queensu.ca | LinkedIn | Toronto, ON

WORK EXPERIENCE

| | |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| JUNE 2020 - Present | Engineering Operations Intern <i>Operations Department, Celestica</i> <ul style="list-style-type: none">Implemented industry-standard OEE metric deployment across >90 SMT lines, >100 non-SMT equipment at 10 sitesFacilitated Rollout of Engineering Vitality Survey and Tool to >1500 Engineers. Provided detailed metrics and analysis on site skill levelsAutomated Reporting Process to create and distribute weekly site OEE Reports, reducing time spent by 6 hours weekly |
| MAY 2019 - Aug 2019 | Project Management Intern <i>Finance Department, Sinai Health System</i> <ul style="list-style-type: none">Collected data and provided recommendations to save >\$40,000 yearly through non-OEM high yield tonerFinancial analysis to identify inappropriate PCard spend and ensure compliance with BPS purchasing guidelinesImplemented online expense reporting tool to increase staff compliance with internal purchasing policiesImplemented pilot and facilitated rollout of taxi program across all SHS sites including the creation of detailed documentation of the system, Excel VBA macros to decrease administrative time and the implementation of various systems to enable patient and staff transport |
| JAN 2020 - Present | Teaching Assistant <i>Electronics I, Department of Electrical and Computer Engineering</i> <ul style="list-style-type: none">Assisted Students in troubleshooting in-lab assignments and marked completion of prelab assignmentsMarked and distributed marks of in-lecture quizzes |

EDUCATION

| | |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SEPT 2017 - April 2021 | Bachelors of Applied Science in COMPUTER ENGINEERING QUEEN'S UNIVERSITY , Kingston <ul style="list-style-type: none">Deans Scholar Distinction — GPA: 3.61Designed and Implemented system to improve process of delivering kegs to Clark Hall Pub below \$200 budgetDesigned IOT RFID Theft Prevention and Security System for use in School |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

EXTRA-CURRICULARS

| | |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SEPT 2018 - Present | Electrical Team Member <i>Queen's Formula SAE Team</i> <ul style="list-style-type: none">Designing long range Communication System incorporating Bluetooth and 2-Way Radio technology for use between driver and supporting pit team. Communication between components using CAN busDesigned Strain Gauge Amplifier PCB using H-Bridge method with a IC 741 on Altium DesignerDesigned BrakeLight PCB using SPDT switch for multiple design patternsSoldered Car Harness to meet FSAE design standards |
| Nov 2018 - Sept 2019 | Head of Water Team <i>Queen's Engineering Orientation Week</i> <ul style="list-style-type: none">Lead team of 4 Senior and 30 Junior members to train 1000 participants and volunteers for annual Grease Pole EventImplemented creation of new team to better support student well-being at the eventOrganized and ran operations meetings combining input from all major event stakeholders |
| OCT 2017 - Sept 2018 | Grease Pole Event Coordinator <i>Queen's Engineering Orientation Week</i> <ul style="list-style-type: none">Organized a high-risk event with a \$50,000 operating budgetCoordinating with various parties involved in the event to ensure safe and efficient executionInterviewed and facilitated training of 250+ leaders to support Orientation Week Events |

SKILLS

| | |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Programming Software | <ul style="list-style-type: none">C, Matlab, Python, Git, Assembly (RISC Style), Verilog, VBA, HTML/CSS, L^AT_EXMicrosoft Office (Excel, Access, Word, Outlook, Visio), Altium Designer, SolidWorks |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Owen Ren

ELECTRICAL ENGINEERING

Cell: 778-863-5688

owen.ren077@gmail.com || github.com/oowen98 || linkedin.com/in/owenren/

HIGHLIGHTS OF QUALIFICATIONS

- Hardware and Software debugging, testing, and verification
- Algorithm and Embedded Systems Development
- Critical thinker seeking innovative solutions to complex problems
- Interested in Computer Vision and Deep Learning
- DFSS Green Belt Certified

LANGUAGES

- | | |
|------------|-----------|
| • C | • C++ |
| • Python | • MATLAB |
| • Assembly | • Verilog |

SOFTWARE

- Simulink
- dSPACE ControlDesk
- INCA, MDA
- Solidworks
- Vehicle Spy 3
- CarSim

HARDWARE

- Circuit Analysis – LTSpice
- Raspberry Pi, Arduino, Nvidia Jetson Nano

AWARDS

- UBC Trek Excellence Scholarship

ACTIVITIES

- Photography
- RC Cars
- Travelling
- FPV Quadcopters

WORK EXPERIENCE

General Motors Canada – Markham CTC Sept 2018 – Aug 2019

Algorithm Design & Development Engineer Co-op

- Developed diagnostic fault isolation strategy based on hardware DFMEA for safety critical system, verified through HIL testing using dSpace
- Created test plans for Diagnostic and Calibration verification for Vehicle Cold Weather Testing, post-processed data in MATLAB from Vehicle Spy 3
- Integrated Model in the Loop Test platform for vehicle when trailering in CarSim and Simulink, automated tests for data collection, and analyzed changes in Vehicle Dynamics when a trailer is added

TECHNICAL PROJECTS

Autonomous Remote-Control Race Car Project July 2020 - Aug 2020

- Developed OpenCV (Computer Vision) algorithm in Python and used PyTorch Convolution Neural Network to autonomously control a RC car around a track
- Utilized i2c to communicate between Nvidia Jetson Nano and Arduino to send PWM signals to the Electronic Speed Control and Servo

UBC AURORA - Undergraduate Thesis

Sept 2020 - Present

- Demonstrate and assess the framework for exchanging data between EasyMile Autonomous Shuttles and roadside sensors using Rogers 5G Network and Microsoft Connected Vehicle Platform (Azure)

Telus Deep Learning Road Deterioration Detection Sept 2020 - Present

- *Current Capstone Project* – Developing pipeline that will detect potholes using Trained Object Detection Deep Neural Networks

ENGINEERING STUDENT TEAMS

UBC Unmanned Aircraft Systems (UAS)

Sept 2017 – Aug 2018

Drone Developer – Hardware Team

- Planned systematic competition checklist for the Unmanned System Canada's competition, placed 3rd overall amongst 12 University Teams
- Designed a digital filter using circuit analysis to remove fluctuations from sonar sensor readings, resulted in consistent measurements
- Verified Autonomous Drone operation to ensure stable flight and correct flight path using ArduPilot Mission Planner while maintaining safe operation

UBC Formula Electric SAE Team

Sept 2016 – May 2017

Chassis Team Member

- Designed and 3D printed suspension jigging parts using SolidWorks, allowed for easy welding of suspension parts onto main chassis
- Utilized the Engineering Design Process to design an accumulator cart in a team setting and presented an Engineering Design Review to team leads

EDUCATION

University of British Columbia

Sept 2016 – May 2021

Bachelor of Applied Science – Electrical Engineering

Philip Tam

philip.tam.code@gmail.com | 1-438-777-5426

EDUCATION

MCGILL UNIVERSITY

B.ARTS IN COMPUTER SCIENCE
Expected Dec. 2021 | Montreal, QC

EXTRACURRICULAR

MCGILL AI SOCIETY

VICE PRESIDENT EXTERNAL
April 2019 - Present | Montreal, QC

LINKS

Github:// [TamPhilip](#)
LinkedIn:// [philiptamcode](#)

COURSEWORK

UNDERGRADUATE

Algorithms & Data Structures
Database Systems
Software Design
Applied Machine Learning

TECHNICAL SKILLS

PROFICIENT

Python • Swift • Java •
Javascript • C# • Bash • Ruby

FAMILIAR TOOLS

Git • Keras • Scikit-Learn • Vue •
Flask • Google Cloud Platform •
Terminal • React • ASP.NET •
MongoDB • MySQL • Azure

LANGUAGES

English (Fluent)
French (Fluent)
Chinese (Proficient)

INTERESTS

iOS Development
Data Engineering
Data Science
Natural Language Processing
Basketball

HACKATHONS

McHacks (2020)
ConUHacks (2020)
PolyHax (2019)
CodeJam (2019)

EXPERIENCE

RBC | DATA SCIENCE INTERN

May 2020 - August 2020 | Toronto, ON

- Collaborated with a teammate to identify over 80 anomalous servers leading to reduced server costs by over \$10,000 per year with Python, Plotly and TSLearn.
- Created 20 clusters of servers that increased the accuracy of server prediction by over 30% using scikit-learn.

GSOFT | SOFTWARE DEVELOPER INTERN

January 2020 - April 2020 | Montreal, QC

- Led the creation of 4 new features such as an assignment feature for action items using React, Javascript, MongoDB, ASP .Net, and C#.
- Developed using techniques and patterns such as Dependency Injection and Command Query Responsibility Segregation.

CLEARLY IP | SOFTWARE DEVELOPER INTERN

May 2019 - August 2019 | Montreal, QC

- Rebuilt Clearly IP's Stargate from a monolithic app to a modular user interface and optimizing the app by reducing page loads by 5% using Vue and Vuetify.
- Added a timesheet component saving over \$1000 in cost per year and generating extra income by tracking client support hours.
- Developed unit tests, integration tests, docs, and features for Clearly IP's API using Ruby on Rails, RSpec, and Ruby.

QUINDITECH | SOFTWARE DEVELOPER

July 2018 - January 2019 | Montreal, QC

- Developed and published Quinditech's QSkin iOS app that detects skin diseases using a machine learning API using Swift.
- Created over 20 different view controllers with features such as reminder notifications, detection history, and using Firebase, Facebook Graph API, and Twitter API.

PERSONAL PROJECTS

CINEMASCAN

January 2019 - Present | Montreal, QC

- Trained a Bidirectional LSTM model that classifies the genres of a movie plot summary reaching over 85% for 8 genres using Python, pandas, Keras, scikit-learn.
- Deployed a web app of the model at movieplotclassifier.tech using Bootstrap, HTML, CSS, Javascript, and Flask

STORIFY

November 2019 | Montreal, QC

- Developed a collaborative writing app that syncs messages with Firebase and recommends sentences and music based on the content or intent of the text using Spotify API, Luis API, and DistilGPT2.

AWARDS/Achievements

CONUHACKS V | ZENDESK API WINNER

January 2020 | Montreal, QC

- Built DecipherMe, a Facebook integrated application that allows users to message in their own native languages together, with Python, Flask, Zendesk API, and Google Translate API.

SAM CANTOR

Machine Learning Engineer

📞 +1-289-221-8214 🎬 s.cantor@queensu.ca 🌐 <https://samcantor.ca/>

📍 Toronto, Canada

EXPERIENCE

Machine Learning Intern

Kings Distributed Systems

📅 05/2020 - Ongoing

Kings Distributed Systems is harnessing idle computing resources for scientific computation.

- Designed data pipeline for image processing on a distributed network
- Updated Node.js production code to support microservices and CI testing, improving modularity, performance, and test-driven development
- Modified the JavaScript event loop to improve global-scope security and measure GPU computational load
- Developed ML agents to optimize an NP-hard scheduling problem, using mixed-integer programming and deep reinforcement learning

Software Engineering Intern

Kings Distributed Systems

📅 05/2019 - 09/2019

- Designed a control framework for agents in a distributed network
- Added feature improvements to the back-end production network
- Researched methods to accelerate deep learning on a distributed platform

PROJECTS

One-Stage Object Detection & Localization for Robotic Navigation

📅 05/2019 - 09/2020

Designed a robot perception system that uses deep learning for autonomous navigation, capable of seeking out an object in a room.

- Implemented YOLOv3 object detection on the Robot-Operating-System using a custom architecture for GPU computation
- Achieved an inference and path planning reaction time of 0.03s (>30fps)
- Published and presented paper at the 2020 Canadian Undergraduate Conference on AI

🔗 <https://github.com/QMIND-Team/dair-Perception>

Generative Music from Album Covers using LSTM Networks

📅 09/2018 - 03/2019

Training a neural network to generate original music based on album covers. Built using **TensorFlow**, Spotify API and **librosa**.

- Developed an LSTM neural network to discover patterns between song melodies and corresponding album covers
- Used FFTs to isolate melodies in polyphonic songs, normalized audio using diatonic transpositions and rhythmic simplifications
- Hosted project as a web app using a Flask server with a REST API connected to google cloud for ML inference

🔗 <https://github.com/QMIND-Team/QMIND-Music>

VOLUNTEERING

Executive - Project Manager

QMIND - Queen's AI Hub

📅 09/2019 - 03/2020

Manager for the robotics and autonomous vehicles team in the Division of AI Research at QMIND. Led a workshop on deploying ML applications using cloud computing for 250+ students

SUMMARY

Motivated computer engineering student with industry experience in software engineering and machine learning. Passionate about audio technologies.

EDUCATION

B.A.Sc in Computer Engineering

Queen's University

📅 2017 - 2022 📍 Kingston, Canada

- Extended 5-year program with a 12-month professional internship in 2020/21

SKILLS

Python TensorFlow librosa

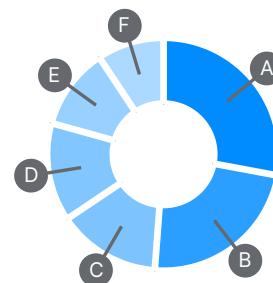
Bash Scripts UNIX Development

Distributed Systems Databases

JavaScript NodeJS MySQL

Git Agile Development TDD

MY TIME



A: Research

B: Family and friends

C: Practicing piano

D: Learning new technologies

E: Cooking

F: Running



SARAH PAK

Professional Goals

I am looking for a recent grad position in the field of either computer sciences or management. I hope to apply both my technical and non-technical skills to my work.

Contact Info

Mobile:

613-804-6494

Email:

sarahshpg9@gmail.com

Address:

2775 Grand Vista Circle, Ottawa,
ON

Work Experience

Student Analyst at DGO

Corporations Canada | August 2020 - Present

A student in the Director General's Office within Corporations Canada at ISED Canada. Tasks include analyzing client responses, assisting the Wellness Committee, as well implementing new ways of visualizing work progress.

Teaching Assistant

Queen's University | September 2018 - April 2020

Assisted with the instruction of a first-year computer science course. Worked closely with students to provide individualized attention and assistance during TA office hours. Collaborated with the head TA and the professors to ensure efficient marking and operation for the course. Was selected to be a TA for the same course twice in a row.

Academic History

Queen's University

Bachelor of Computing | September 2017 - Current

- President at Queen's Korean Student Association (Current)
- Member at QMIND working with Visaplace (Current)
- Dean's Honour Roll (2017-2018)

Colonel By Secondary School

IB Diploma | June 2017

Technical Skills

Programming Languages

Python, Java, C, C++, C#, HTML, CSS, PHP, mySQL

Development Tools

Github, Jira, Confluence, Bitbucket

IDEs

Eclipse, Visual Studio, CodeBlocks, IntelliJ

Languages

French:

Delf B1 Certificate

Korean:

Can speak and write at an advanced level

Selina Yang

✉ selinayang.hba2022@ivey.ca ☎ 6476157819 [in](#) LinkedIn [github](#)

EDUCATION

Western University, Mechatronic Systems Engineering

Sep 2017 – Apr 2022

Ivey Business School, Honors in Business Administration

Sep 2019 – Apr 2022

- Engineering Dean's Honor List (2017 & 2018)
- BC Excellence Scholarship
- Microsoft Data Science Scholarship

PROFESSIONAL WORK EXPERIENCE

Royal Bank of Canada, Fintech Summer Innovation Program- Business Analyst

May 2020 – Aug 2020 | Remote

- As the product owner, built a dashboard that is infinitely scalable and searches incredibly fast with **large data sets** using **machine learning** and enterprise applications, realized **\$800,000 +** in value
- Branded the product with demo videos and pitched it to many RBC executives; gained **100% buy-ins** from the senior management team and the product is handed off and now being implemented by engineers
- Defined solution scope for an **abstract** business problem and effectively **articulated technical challenges** to sponsors through presentations

Bell Canada, Technical Project Management Intern

Jun 2019 – Aug 2019 | Toronto, Canada

- Delivered **agile** technical planning with a focus on customer impact and long-term service reliability in moving 50 existing TV channels to a different platform
- Initiated an automation project to **script** the diagram creation process using **Java** which increased the circuit diagram creation efficiency by at least **70 %**

Western Propel Entrepreneurship Center, Front-end Developer

May 2018 – Aug 2018 | London, Canada

- Designed the wireframe of the website using **Figma**, and **Adobe Illustrator**
- Developed the user interface of a start-up's login page using **HTML**, **CSS** and **JavaScript**

TECHNICAL PROJECTS

Autonomous Driving Robot, Jan 2019 - Apr 2019

- Designed and built a functional self-driving robot from scratch that navigates a room to clean the floor using **3D printing** technology, **sensors**, **motors**, **circuits** and **C++**
- Prioritize tasks across **software**, **mechanical**, and **electrical** integration
- Designed mechanical mechanism on SolidWorks that allow the robot to sort different types of garbage collected according to the material (Plastic, Wood, Aluminium)
- Practiced engineering **design principles** to optimized the trade-offs between cost and features, and made iterative design adjustment to meet the customer requirement

Bingo Bot, Hack Western V

- Designed the **mechanical** and **electrical** component of a robotic drawing arm that stamps the correct grit and **machined** the parts to assemble it into a bingo player
- Programmed **Arduinos** to perform corresponding vocal instructions

Sentimentalist, Western AI Summer 2020 Project

- Clean the data set on **Jupyter Notebook** and used **Keras** and **Python** to build the AI training model to test sentiment within a text; the model achieved 85% accuracy

EXTRACURRICULAR ACTIVITIES

Women in Technology Society, Vice President of Mentorship & Project

Sep 2019 – present | London, Canada

- Co-created a mentorship program to connect female students with mentor working in tech
- Created educational content on **product design**, Intro to **Java**, and **Machine Learning**
- Facilitated SheHacks, an **all-female Hackathon**, and helped run various workshops, mentor orientations, hacker activities and engage sponsors

SKILLS

- C++
- Data Structure & Algorithm
- Object-Oriented Design
- Python
- HTML5/CSS3
- Java
- Git
- Matlab
- Visual Studio
- Jupyter Notebooks
- Jira
- Figma Prototyping
- Agile Project Management
- Executive Presentation
- Time Management

RELEVANT COURSES

Mechatronics System Design

Control System

CS Fundamentals

Data Structure & Algorithm

COMPETITIONS

Best Beginner Hack, SheHacks

Built an AI training model using Python to sort garbage

First Place,

Ivey Entrepreneurship Bootcamp

Third Place, RBC AmpHack

OTHER ROLES

Co-President, Ivey International Business Club

VP Sponsorship, W5 (Student Entrepreneurship Association)

Pro-Bono Consultant, Social Innovation Academy

VP Marketing, Ivey Sales Club

CERTIFICATES

- Certified Associate in Mechanical Design
- CPR C Certificate

LANGUAGES

English

Mandarin

SOFIE HECTOR

SOFIEMHECTOR@GMAIL.COM | 647-998-6461

EXECUTIVE SUMMARY

I am an upcoming Queen's University graduate who will be starting a Juris Doctor in the fall. I am a hardworking individual looking for a summer position to strengthen my administrative skills in a professional environment.

ACADEMIC HISTORY

Queen's University

BACHELOR OF ARTS HONOURS, 2021

- Political Studies major, Global Development minor
- Dean's honours list 2017-2021

Queen's University

UNDERGRADUATE CERTIFICATE IN LAW, 2021

- Program Gpa 4.0

SKILLS & COMPETENCIES

- AODA Accessible Customer Service Certificate
- AODA Human Rights 101 Certificate
- TCPS 2: CORE Certificate
- Smart Serve Ontario Certification

WORK EXPERIENCE

Receptionist

THE HOCHELAGA INN, 2019 TO PRESENT

- Managed Incoming and outgoing calls
- Processed payments
- Scheduled reservations

Administrative Assistant

THE HARBOURFRONT CENTRE, MARINA FOUR, 2018 TO 2019

- Assisted with account collections
- Scheduled staff shifts
- Oversaw daily operations

COMMUNITY INVOLVEMENT

- Co-Founder and Co-President of Queen's Undergraduate Women and Law
- Mentor for Queen's University's Qsuccess Program
- Volunteer at the Alma Mater Society Food Bank
- Judicial Committee Member for Queen's University
- Secretary for Conservation Queen's

SYLVAIN PLOUVIER

(778) 323-4238 | s.plouvier@queensu.ca | linkedin.com/in/sylvainplouvier

Education

QUEEN'S UNIVERSITY

Bachelor of Applied Science in Mechanical Engineering

KINGSTON, ON

Expected: April 2021

- Awarded the Principal's Scholarship (\$6000 value) for incoming students with an academic average of +95%
- Relevant Courses: Machine Design, Automatic Control, Thermodynamics, Heat Transfer, Solid Mechanics, Fluid Mechanics
- Relevant Projects: Fin heat transfer analysis in Python, 3D printed gearbox design

Professional Experience

BELL CANADA

Consultant Intern, Business Intelligence

TORONTO, ON

May 2020 – August 2020

- Developed recommendations for the application of natural language processing (NLU) in Bell's eChat support service to improve customer experience and agent efficiency (reducing AHT and customer churn)
- Developed recommendations to increase self-serve adoption and engagement by leveraging contact centers. Focused on increasing contact center deflection, leading to a 580% ROI over 1 year
- Used SAS, SQL, Microstrategy and Excel to perform data acquisition, filtering, sorting, and analysis
- Worked as a customer service agent through Bell's eChat support to resolve residential customers' issues related to billing, account management, and satellite TV troubleshooting

DOCKSIDE RESTAURANT & BREWING COMPANY, GRANVILLE ISLAND HOTEL

VANCOUVER, BC

Dining Room Server/Expeditor/Busser

September 2014 – September 2018

- Treated patrons to exceptional customer service and fostered a fine dining environment for à la carte service, weddings, business meetings, holiday events, et cetera
- Acted as a crucial liaison between front-of-house and back-of-house personnel, ensuring expedient service for up to 300+ guests
- Managed difficult customer service situations in a fast-paced, stressful environment through effective communication, task prioritization & delegation, critical thinking, and leadership

Extracurricular Experience

QUEEN'S UNIVERSITY BUSINESS & ENGINEERING (QUBE)

KINGSTON, ON

Portfolio Manager

May 2020 – Present

- Promoted to Portfolio Manager at QUBE Capital
- Delivering learning modules to incoming analysts, conducting various finance-related projects, and assisting analysts with career development and recruiting

Investment Analyst

October 2019 – May 2020

- Developed technical skills such as sentiment analysis, macroeconomic analysis, data analytics, financial modelling & reporting, and portfolio management
- Built a solid understanding of financial markets, macroeconomic trends, and investment strategy from an engineering lens

QUEEN'S MACHINE INTELLIGENCE & NEURO-EVOLUTION DESIGN (QMIND)

KINGSTON, ON

General Member, Financial Planning with Machine Learning

September 2019 – April 2020

- Diagnosed complex industry problems and developed innovative solutions using principles of artificial intelligence, machine learning, and data analytics
- Fin-Tech Team: used an existing API for data acquisition to effectively train a time-series model to correlate stock price with financial statement data. De-noised and simplified historical data before using a variety of machine learning algorithms to effectively forecast the future revenues and expenses of a given business

Additional Information

Certifications: DELF B2 (French proficiency), WHMIS, Serving it Right

Languages: Bilingual - English & French (verbal & written, native proficiency)

Activities/Organizations: Tier I and Tier II Intramural Soccer Champion, Tier II Basketball, QUBE, QMIND, Engineering Society

Relevant Skills: Excel PivotTables, SQL, SAS, Microsoft Office (Word, Excel, PowerPoint, Project), MATLAB, Introductory Python

TABASSUM PASHA

17TP6@queensu.ca | 647-609-6201

EDUCATION

| | |
|----------------------------------------------------------------------------------------|------------|
| Bachelor of Commerce Smith School of Business, Queen's University, Kingston, ON | 2017– 2021 |
| Bachelor of Science in Biology , Queen's University, Kingston, ON | 2017– 2022 |

- Recipient of Queen's University Excellence Scholarship (\$2000)

PROFESSIONAL EXPERIENCE

| | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| Co-founder of Thimble | May-Aug 2020 |
| <ul style="list-style-type: none">Co-founded a social venture focused through the Queens Innovation Center Summer Incubator program, focused on helping immigrant women with sewing skills to gain financial independence by connecting them to people with alterations needsDeveloped, and executed a pilot project with 4 tailors based in the GTADeveloped B2B and D2C customer acquisition strategyAcquired 15 individual customers, and one clothing retailer in KingstonConducted market research through surveys, and focus groups | |
| Loblaw Companies Limited – Technology Change Analyst | May-Aug 2019 |
| <ul style="list-style-type: none">Optimized the IT Change Management Process by analyzing 100 different types of changes in different environments (Stores, Disaster Recovery, Production, Lower Environment) and determining which ones can go through an automated approval processDeveloped workflows in ServiceNow for 20 changes that met the criteria of automated approvalRedeveloped organization wide risk assessment questions for all changes to ensure that each change was assigned an accurate risk levelReduced weekly Change Authorization Board meeting by 50% to 45 minutes from 90 minutes, directly as a result of introducing an automated process for certain change types | |
| DHL Express Canada – Sales Support Intern | Jun-Aug 2018 |
| <ul style="list-style-type: none">Created a data base of potential opportunities by conducting market research on 1500 E-commerce companies and Canadian Universities, by analyzing their business modelsDiscovered 250 potential opportunities, each company having between 5000-10000 monthly shipmentsPrepared Request for Quota Proposals by coordinating with heads of multiple departmentsAssisted the National Sales team with GAP analysis for prospects | |
| Queen's University– Residence Facilitator | April 2018- April 2020 |
| <p>Responsible for training 12 New Residence Facilitators and serving as a mentor throughout the 2019-2020 academic year</p> <ul style="list-style-type: none">Conducted meetings with 200 students documented as a part of a Community Standards Incident reports, and conducted investigations for 30 casesEducated residents on the community standards and the importance of abiding by them to maintain a safe and comfortable environmentDetermined level of responsibility of a student who has been documented in an Incident Report and assigned appropriate sanction | |

EXTRACURRICULAR EXPERIENCE

| | |
|---------------------------------------------------------------------------------------|--------------------|
| Queens Business Consulting (Comm 504)–Consultant | Sep–January 2019 |
| Queens Machine Intelligence and Neuroevolution Design Team– Director of Design | March 2020–Present |
| Queens Conference on International Business –Toronto, Canada | Jan 2019 |

- Came 1st place in a marketing case competition and presented to the VP of Marketing for Starbucks Canada, Peter Furnish

TED X- Queen's University, Kingston, Canada- Speaker

Feb 2019

TANIA SIDHOM

 www.taniasidhom.com

 tania.sidhom@queensu.ca

 linkedin.com/in/tania-sidhom

 github.com/taniasidhom

EDUCATION

Queen's University

Dual Degree Candidate (April 2022)

- **Major:** Applied Math and Computer Engineering
- **Minor:** Linguistics

German Language Proficiency Certification

January 2015

- Achieved highest level (C1) awarded by the Consulate General of Germany in Toronto

PUBLICATIONS

Canadian Undergraduate Conference on AI

Entity resolution project with ThinkData Works (on the right) technical paper was published in the [CUCAI proceedings](#) and reached the top 10 (March 2020).

SKILLS

Spoken Languages

- English | Native
- German | Fluent & business proficient
- Arabic | Fluent in conversation

Programming Languages

Python | Java | C | MATLAB | SAS | Assembly

Tools & Libraries

- **Machine Learning & Deep Learning:** SK-learn, Tensorflow, Keras
- **Data Analysis & NLP:** Pandas, NumPy, SciPy, NLTK, BeautifulSoup, Openpyxl, SpaCy, text embedding (word2vec, Gensim, BERT), Jupyter Notebooks, NetworkX
- **Cloud:** Google Cloud Speech-to-Text, Google Dialogflow
- **Data Visualization:** Matplotlib, Seaborn, Bokeh
- **Databases:** SQL, GraphDB
- **Misc:** Github, Flask, Ngrok, Microsoft Office, Solid Edge

WORK EXPERIENCE

AI Team Apprentice

HealthAloha (Remote) | Jun. - Aug. 2020

- Lead the implementation of a chatbot prototype using Google's Dialogflow with a Flask backend to allow for additional customizability through Python
- Implemented voice recording capabilities and smooth conversation flows
- Analyzed user conversations using topic modelling, named entity recognition, and clustering
- Created a Excel database for statistical features collected from user information for future modelling

Research Intern

IANUA Market Ltd. (London, England) | May - Jun. 2019

- Automated Excel databases, manipulated & cleaned data w/ Pandas
- Implemented scoring mechanics in python to compare databases using Pandas and Numpy
- Visualized data (ex. heatmaps, histograms) using Matplotlib to display results and summaries of investment opportunities for clients
- Researched current European economics, AUMs, and machine learning methods for default risk
- Created user manual for implementation of code and front-end inputs

Tennis Camp Director

Upper Canada College (Toronto, Canada) | Jul. - Aug. 2019

- Promoted to director after 3 summers as an instructor and managed 20 staff and 50 campers per week
- Hired, mentored, and evaluated the staff and tracked the finances of the camp

LEADERSHIP

QMIND (Queen's AI Hub)

Director of Educate | Apr. 2020 - Present

- Leading a team of 4 in the creation of [The Hive](#), a platform for students to learn AI (includes our own Jupyter Notebooks, events, mentorship, etc.)
- Host, maintain, and contribute articles to the [QMIND Technology Review](#)
- Started [AI for Social Good](#) initiative at QMIND and developed strategy

Project Manager | Apr. 2019 - March 2020

- Hired and selected new QMIND team from ~300 applicants; lead a team of 4
- Formed partnership with ThinkData Works to lead Entity Resolution (NLP) project

BetaLab (Queen's web development club)

Co-Chair | Nov. 2019 - Dec. 2020

- Hired and developed structure for the development side of the club
- Designed and mentored 3 projects for data science team (Quant, NLP, and CV)
- Acquired clients for (\$10K) projects alongside the operations team

PROJECTS

DP-LkGAN | Undergraduate Thesis (Ongoing)

- Currently implementing differential privacy techniques to an existing GAN (LkGAN) to produce a GAN that reproduces differentially private data sets

ProjectX | Climate Change AI Competition (Sept. - Nov. 2020)

- Competed against top-tier universities across the world in research competition; was team lead for the Queen's University team
- Analyzed consumer perception from Twitter data on sustainable fashion to help divert textile waste to reduce emissions (will release paper when graded)
- Extracted and visualized features, determined sentiments, and entities, clustered data using K-means

Entity Resolution | Client Project for ThinkData Works (Oct. 2019 - March 2020)

- Led a team of 4 and designed project with head of the Data Lab at TDW
- Built named entity recognition and entity resolutions from scratch and visualized entity relationships using knowledge graphs ([paper here](#))
- Showcased project at the Canadian Undergraduate Conference on AI

THINH (THEO) PHAN

Brampton, ON. L6V2V3 | (647)-573-7426

theo.phan309@gmail.com | www.linkedin.com/in/theo-phan309

CAREER SUMMARY

Senior Supply Chain Student • Logistics Coordinator • Business Analyst

An energetic ASCM scholar with deep expertise in the Demand Planning process across both manufacturing and service industries, and an ability to devise and execute integrated tactics that engage audiences and optimize the service level

QUALIFICATION HIGHLIGHTS

- Continuous improvement
- Strategic negotiation
- Lean/Six sigma
- Data analytics
- Project management
- Critical thinking
- Problem solving
- Business acumen
- AI and Machine Learning

EDUCATION

Bachelor of Commerce - Supply Chain Management

Anticipated in April, 2021

Humber College, Toronto, ON

- Dean's Honor List Standing 2019 - 2021 (Term GPA – 90%)
- ASCM 2020 Scholar Recipient – Represented Humber College to promote supply chain excellency in ASCM 2020 Conference and a future supply chain leader
- Selected as a top student to compete at the Qualifying Round at the ASCM Case Competition
- Initiated to become one of the **first members** of IOEM Humber chapter – the first college chapter in GTA
- **Relevant courses:** Transportation & Network Design; Operations Planning & Control; Purchasing; Forecasting & Inventory Management; Supply Chain Analytics: Global Marketing Management; Data Science for Business

WORK EXPERIENCE

MiG Freight, Brampton, ON

June 2020 – September 2020

Logistics Coordinator (Internship)

- Overseeing loading **equipment inventory** and analyze the transportation metrics using Excel, Word, and Tableau to visualize the findings. Reduced 20% of holding costs from June – September
- Used **Loadlink** and **TMS software** to prioritize and book daily truckloads and created meaningful relationships with 500+ external carriers and gain over \$30,000 in 3 months

VOLUNTEER & COMMUNITY INVOLVEMENT

Bootcamps for Change, North York, ON

May 2020 – Present

Business Development Coordinator • Operations Researcher • Student Mentor

- Worked closely with the founder and conducted **operations research** to find 15 fitness equipment suppliers to support **decision making** process

CERTIFICATIONS

- My Leadership Journey – Leadership Academy (Humber College)
- 77-728: Excel 2016 Expert: Interpreting Data for Insights (Microsoft)
- Data Science with Python + Machine Learning (SoloLearn)

Objective:

To leverage adaptive problem-solving skills as well as strengths in leadership and collaboration in order to secure an internship at BLANK as a BLANK to further the development of both technical and professional skills.

TRAVIS COSSARINI

Skills:

- Proficient in Python 3 for data analysis and cleaning
- Proficient in OOP with Java
- Knowledge of C and MATLAB
- Experience with Microsoft Azure for cloud computing and data handling
- Experience with SQL for database management
- Experience with Keras for the construction of neural nets
- Proficient with GIT for version control
- Experience with front end development (GUI)

Interests:

- Reading
- Hockey
- Rugby
- Volunteering

Awards:

- Principle's Scholarship (Queen's University).
- Awarded the Dale Dupont Scholarship from the CRAA for outstanding athletic and academic performance as well as community involvement.

GitHub:

<https://github.com/Tcoss7>

Contact:

 403-689-0695

 travis.cossarini@queensu.ca

Extracurriculars:

Project Manager | QMIND | 2018 – Present

Queen's Machine Intelligence and Neuroevolution Design Team is an AI design team working on a variety of projects including image recognition using convolutional neural networks. Have gained experience in handling of raw data as well as web scraping and other data-oriented skills in addition to the organization of a team and effective leadership of a team as a PM.

Project Manager | Queen's University | 2020 – Present

First-year design course Project Manager for three teams of five engineering students tasked with developing a chemical microreactor for a client.

Teaching Assistant | Queen's University | 2019

Assisted 40 Engineering students broken into 10 teams improve their understanding of course content in addition to providing coaching when issues arose around team effectiveness.

CCC Brand Ambassador | 2019 – Present

Working as a brand ambassador for the Cure Cancer Classic developing professional skills such as public speaking and team organisation. CCC is a committee that has raised \$226,161 for cancer (SickKids Fund) through sporting events such as the Engineering-Commerce Rivalry game.

QUBE Capital | 2019 – Present

Active member of the Queen's University Business and Engineering Capital team which evaluates investment opportunities using conventional analytical tools such as DCF's.

Work Experience:

Sundance Landscaping | Laborer | 2017 – 2019

Sundance Landscaping is a high-end landscape design and construction firm that places a strong emphasis on customer satisfaction. This opportunity required effective communication, collaboration and leadership skills and the ability to work across multiple sites and crews to ensure that projects were delivered on-time, within budget and to the specifications agreed to.

Education:

BACHELOR OF APPLIED SCIENCE CANDIDATE | Queen's University

Third year student in Mathematics and Engineering: Computing and Communications option, a program that combines electrical engineering, computing and mathematics; concurrently developing both abstract reasoning and applied engineering skills.

Expected to graduate in April 2021.

Val Kobilaski

val.kobilaski@queensu.ca • (416)-930-2371 • github.com/ValKobilaski • Kingston, Ontario

Education

Queen's University - Bachelor of Computing (Hons.) • September 2017 - April 2022
Specializing in Cognitive Science - 4.0 GPA (4.3 Scale).

Experience

LTE/5G Software Tools Developer Coop - Ericsson • May 2020 - Present

- Developed and executed capacity verification tests for 5G and low-band LTE towers.
 - Development of test case scenarios using Java, XML, and YAML.
 - Development of test automation scripts using Jenkins and BASH.
- Configuring full stack user device simulations to execute tests on simulated network towers.

Research Assistant - Queen's University • May 2019 - August 2019

- Developed graphing tools and data cleaning scripts for lymphoma and soft tissue cancer research.
 - Development of BASH scripts to automate the cleaning and processing of genetic data from public databases.
 - Development of Python scripts to plot mutation data along enhancer regions of patients.
 - Research was done under the supervision of Prof. David Rappaport and Prof. Katheryn Tyryshkin.

Teaching Assistant - Queen's University • September 2018 - April 2020

- Assisted in teaching Discrete Mathematics, evaluating and grading tests, final examination as well as holding weekly office hours. - CISC 102, Prof. David Rappaport.
- Assisted in teaching Programming Paradigms, evaluating assignments, tests and a final exam, Holding weekly office hours. - CISC 360, Prof. Joshua Dunfield.

Skills

- Proficient in **Python, Java, Haskell, Prolog and C/C++**.
- familiar with **Git, Assembly** and **BASH**.
- Fluent in **English** and **French**.

Projects

- Developed a primitive **search engine** in **Python** used to search the contents of local files, which utilizes custom **AVL tree and heap** implementation for efficient searching.
- Developed a “**connect-four**” **bot** in **Prolog** which made use of a simplistic **minimax algorithm** in order to generate intelligent moves.
- Developed a **taxis and truck dispatcher** in **Java**, which would assign vehicles to pickup and drop off simulated tasks in an efficient manner.

Awards

Dean's Honor List, Faculty of Arts and Science • September 2017 - Present

Achieve a GPA of 3.5 or higher.

Queen's University, Principal's Scholarship • September 2017

Achieving an entrance academic average of 95% or higher.

Vee Nguyen

819-712-7515 | vy_nguyennn@hotmail.com | linkedin.com/in/vy-nguyen-682127181/ | github.com/veeng

EDUCATION

| | |
|------------------------------------------------------------------------------------------------------------|-------------------------------------|
| Carleton University <i>Computer Science B.C.S. Honours with Minors in Statistics and Biology</i> | Ottawa, ON Sep. 2017 – Jun. 2021 |
| Algonquin College <i>Office Administration - Ontario College Certificate</i> | Ottawa, ON Sep. 2016 – Jun. 2017 |

EXPERIENCE

| | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| Junior Data Engineer - Honour Project <i>Private Company</i> | May 2020 – Sep 2020 Ottawa, ON |
| • Researched on client's industry and tailored Machine Learning dataset based on their goals and strategies • Analyzed the raw information of client using either Oracle query or built-in statistic software on raw samples • Optimized Oracle SQL query to extract raw data from client's database and ensured data normalized properly • Built an effective data pipeline to manipulate, process and transform data to Machine-Learning compatible format and applied proper data sampling method for bias minimization | |

PROJECTS

| | |
|------------------------------------------------------------------------------------------|---------------------|
| Weather Image Classification <i>Data Science — Python</i> | Jan 2021 – Present |
| Hate Speech Identification <i>Data Science — Python</i> | Jan 2021 – Present |
| Statistical Analysis on Canadian Labour Force <i>Analysis/Visualization — R</i> | Sep 2020 – Nov 2021 |
| Twitter Sentiment Analyst <i>Data Science — Python</i> | Feb 2020 – Mar 2020 |
| Statistical Analysis on Canadian Labour Force <i>Analysis/Visualization — R</i> | Sep 2020 – Nov 2021 |
| SCAPL Compiler <i>Software Development — C++</i> | Sep 2019 – Nov 2019 |

TECHNICAL SKILLS

Languages: Python, R , SQL (Postgres), Java, SAS, HTML/CSS

Frameworks: Tensorflow, Pytorch

Developer Tools: Git, Google Collab, VS Code, Visual Studio, IntelliJ

Libraries: Scikit-learn, OpenCV,pandas, NumPy, Matplotlib,built-in data structures,dplyr,tidyr,ggplot2

OTHER EXPERIENCE

| | |
|-----------------------------------------------------------------------|--------------------------------|
| CanDev Data Challenge <i>Candidate</i> | Jan 18th, 2020 - Jan 18th 2020 |
| Salvation Army Thrift Store <i>Part-time Store Associate</i> | Aug 2018 - Aug 2019 |
| Crazy Pho You <i>Part-time Supervisor</i> | Sep 2017 - Sep 2018 |
| Costco Wholesale <i>Part-time Front End Assistant</i> | Sep 2016 - Dec 2016 |

CERTIFICATION

| | |
|----------------------------------------------------------------------------------|----------|
| Data Camp Certification <i>Introduction to Deep Learning in Python</i> | Mar 2020 |
| Data Camp Certification <i>Introduction to Deep Learning with Keras</i> | Mar 2020 |
| Data Camp Certification <i>Image Processing with Keras in Python</i> | Mar 2020 |

Vekshan Bundhoo

Objective:

Looking for Summer 2021 internship opportunities to complement my studies, improve my soft skills and gain valuable practical experience in the software industry.

 veckshan@gmail.com

 +1 613 407 0536

 Ottawa, Canada

 github.com/vekshan

WORK EXPERIENCE

Software Developer - DevOps

Trend Micro

09/2020 - Present

Co-op

Achievements/Tasks

- Augmented, maintained and automated the deployment of an in-house Lambda Application used to integrate Jira in Slack to reduce the amount of undocumented work.
- Built several custom AWS AMIs using packer for use across several pipelines.
- Collaborated with a senior developer to monitor the transfer of a repository management service to another team in Taiwan.
- Tools: AWS, Jenkins, Packer, Python, Docker, Serverless Framework.

Contact: Claudia M. Cardona, Senior Manager Platform Services - cclaudia_cardonatesillo@trendmicro.com

Software Developer

Renaissance Repair and Supply

01/2020 - 04/2020

Co-op

Achievements/Tasks

- Contributed in requirements elicitation, analysis, development, testing and debugging of C# Windows Applications.
- Developed, maintained and monitored different tools to process orders, automate the shipping process and generate invoices thereby saving shippers up to 2 hours on a busy day.
- Redesigned an old SQLServer database in PostgreSQL using PgModeler to meet new requirements.

Contact: Steven Robinson, IT/IS Manager - srobinson@renrns.com

Engineering Mentor

University of Ottawa

09/2019 - 12/2019

Achievements/Tasks

- Facilitated review sessions, weekly study groups and held office hours for Intro to Python, Data Structures and Software Engineering.

Research Assistant

University of Ottawa

06/2019 - 08/2019

Le génie au service de la société: Inspiring a Cleaner World

Achievements/Tasks

- Managed online surveys and workshops for high-school students regarding Plastic Pollution.
- Developed a website with an integrated Learning Management system to host custom courses on Organic Chemistry.

Contact: Janelle Fournier, Ph.D. Candidate - jfour055@uottawa.ca

SKILLS



PROJECTS

Transportation Problem Solver

- Created a program that uses the Stepping Stone method to optimize a given Transportation Problem.
- Used concurrent programming to find the different possible marginal costs.
- Tools: Go, GoLand.

Blockchain Simulation

- Designed a data structure that maintains an ordered list of transactions to implement a simulation of the blockchain technology.
- Tools: Java, Eclipse.

Analyzing Traffic Collisions in Toronto

- Performed data wrangling of different datasets using tidyverse principles.
- Created meaningful data visualizations using the ggplot2 package.
- Used different statistical methods to draw conclusions and confirm hypotheses.
- Tools: R, RStudio, Tidyverse.

Quick-Fix

- Created an On-Demand Home Repair Services Application.
- Worked collaboratively with other team members via GitHub.
- Created a custom checklist that modifies the database in real-time.
- Tools: Java, Android Studio, XML.

EDUCATION

BSc with Honours in Computer Science, Data Science Option (Co-op)

University of Ottawa

08/2017 - 12/2021

CGPA 9.4/10

CURRENT INTERESTS

Intro to Data Science & Machine Learning - Korbit AI
Learning data science skills with an AI-powered tutor.

LANGUAGES

English



French



Walter Hasick

415 48th Ave SW, Calgary AB T2S 1E3

403-991-6257, whasick@uwo.ca, www.linkedin.com/in/walter-hasick

EDUCATION

Western University, London, ON, Canada

2021

Candidate for BESc in Mechatronic Systems Engineering

- 2016-2020 Engineering average: 3.70/4.00
- Dean's Honor List – Engineering (2016-2020), Western Admission Scholarship (2016), Western Engineering Design Showcase, 1st place (2017)
- Candidate for Engineering Leadership and Innovation Certificate

WORK EXPERIENCE

General Dynamics Land Systems - Canada, London, ON, Canada

2019-2020

Mechatronics Intern – Advanced Projects

- Developed, tested, and validated motor control algorithms on a prototype Electric Light Armoured Vehicle which led to important technical advancements in the vehicle's capability
- Communicated personal and original ideas to managers and directors through well-constructed emails and presentations; resulted in an identification of the root cause of noise in the system and implemented a robust solution which filtered the signal
- Orchestrated an initiative to compile all onboarding and company policy information across various positions at GDLS-C in one central location; reduced intern dependency on senior coworkers
- Brought technical expertise to the STEM team, a company wide initiative to promote STEM amongst non-technical employees as well as in the community; efforts contributed to the largest gathering of employees to date learning about emerging technology within the industry

Calgary Golf and Country Club, Calgary, AB, Canada

Summers 2017 & 2018

Server – Glenmore Dining Room

- Adapted to constantly changing orders and member inquiries in the fast-paced restaurant environment leading to timely and professional service

COMMUNITY INVOLVEMENT & INTERESTS

Western Orientation Program, *Engineering Orientation Leader*

2020-Present

- Adapted to the COVID-19 pandemic by developing engaging events for incoming first year university students; aligning with guidance from the provincial and federal government and ensured a positive experience
- Proposed alternative programming for annual charity events which were not able to operate because of physical distancing; resulted in successful execution of events

United Way Elgin Middlesex, *General Dynamics Committee Member*

2019-Present

- Supported children in struggling communities with healthy breakfast and games through the United Way Next Gen Breakfast Program, developing a strong network within the community
- Promoted ticket sales by actively engaging with fans at the Salute to Service baseball game; raised awareness and support for local service people as well as over \$1,500 for United Way Elgin Middlesex

Western University Jr. Varsity Volleyball, *Athlete*

2016-Present

- Motivated the team through warmup, practice, and cool down as well as instructed new players as to proper technique and position which allowed the team to compete with chemistry
- Competed in regular competitive scrimmage games against rep teams from the London area and the Varsity team; decisively winning against established London clubs

Western Engineering Biomedical Club, *Financial Executive*

2018-2019

- Responsible for assisting the VP Finance in the budgeting of projects and presentations to the Director of External Services for approval thus allowing for the proper funding to support successful events

Technical Skills: Proficient in Excel, C++, SolidWorks, git, Bitbucket/JIRA, ControlDesk and MATLAB/Simulink

Interests: Enjoy road biking and tennis during the summer and skiing during winter. Eager to learn about web development and machine learning and have been pursuing the interest with online courses through Udemy

WILLEM ATACK

willem.atack@queensu.ca | 647-887-7063 | <https://www.linkedin.com/in/willem-atack-076318153/>

Summer 2020 – Quantitative Trading Analyst Intern – Data Cognition Team, BMO Capital Markets

EDUCATION

BASc. Applied Mathematics Engineering – Computing and Communications Option, Queen's University 2017 – Present

- 4.21/4.30 GPA - gained OUA Academic All Star Status for maintaining Dean's Scholar academic standing as a varsity athlete
- Received Chancellor's Scholarship (\$36,000) for showing superior academic ability and creative thinking (2% acceptance)
- Received James Rattray Scholarship (\$5,150) and Annie Bentley Lillie Prize for academic performance (top 1% of class)

IB Diploma and OSSD, The York School, Toronto, ON 2013 – 2017

- Received Ontario Governor General Academic Medal for the highest academic average in graduating class (IB 43/45)
- Received Class Valedictorian Award, Leadership Award and won Waterloo Math Contest in 3 Consecutive Years

SELECT EXPERIENCE

Advisory Intern – Performance Improvement Group, Ernst & Young LLP, Toronto, ON 2019

- Analyzed client's pain points and five potential technology vendors, culminating in a vendor recommendation for 10+ global manufacturing sites, and a suggested future state process flow to drive business optimization
- Developed machine learning strategies for a client, and created a cloud-based program using Python and AWS to enable data acquisition in real-time for two use cases to enable machine learning models to optimize client's mining process

Computer Programming Teaching Assistant, Queen's University, Kingston, ON 2018

- Exhibited ability to communicate complex technical concepts in a simple manner to run computing labs for 60+ students

STEM Tutor, High School and Queen's, Kingston, ON 2016 – 2019

- Founded math tutoring business in High School, learned management/administrative skills while tutoring 5 students weekly
- Leveraged technical and communication skills as a tutor in Linear Algebra, Computer Programming and Calculus at Queen's

Overnight Camp Counselor, Camp Couchiching, Orillia, ON 2016 - 2018

- Led by example to create a respectful and engaging camp culture, allowing a memorable experience for campers
- Selected to work individually with campers with Down's Syndrome, autism, anxiety and ADHD for several weeks

EXTRACURRICULAR EXPERIENCE

Director of Design, QMIND – Queen's AI Hub, Kingston, Ontario 2018 - Present

- Managed 6 client-facing data science by evaluating teams' performance, and strategizing teams' next steps and areas for improvement by using problem-solving and leadership abilities, as well as a firm grasp on technical content
- Assessed strategic direction of QMIND design and identified operational pain points and opportunities for improvement

Varsity Squash Team, Queen's University, Kingston, ON 2017 - Present

- Team won first place in Canadian University Jester's League, second place in OUA Finals

Engineering Orientation Week Leader, Queen's University, Kingston, Ontario 2018

- Welcomed and led group of 30 incoming students by being an enthusiastic, approachable and a helpful leader

PROJECTS

QMIND Projects, QMIND – Queen's AI Hub, Queen's University, Kingston, ON 2018-Present

- Created a k-means ML algorithm for OHL hockey team to cluster players, and neural network to forecast players' output
- Creating a time series forecasting neural network to enable optimized staff scheduling for a virtual health start-up
- Presented work at the Canadian Undergraduate Conference on Artificial Intelligence (CUCAI) to industry experts

Opinion Dynamics Mathematical Model, APSC 200, Queen's University, Kingston, ON 2018

- Mathematically modelled the development of a Ponzi Scheme using MATLAB and Opinion Dynamics, received A+ grade

QHACKS, Hack-A-Thon, Queen's University, Kingston, ON 2019

- Learned basic full-stack development skills (HTML, CSS, JavaScript, PHP) in one weekend to create sports ranking web-app

SKILLS, INTERESTS AND ACTIVITIES

- Proficient in Python, C, MATLAB, Excel, experience with Java, AWS and libraries such as Pandas, Numpy, Tensorflow, SKLearn
- Completed 55-hour online course Machine Learning created by Stanford University, and an AWS practitioner course
- Keen interest in ML/AI, financial markets and sports such as golf, ultimate, skiing, hockey, hiking

William Da Silva

117 Lanigan Crescent, Ottawa, ON, Canada

will@willdasilva.xyz

613-222-1029

gitlab.com/WillDaSilva

Skills Overview

- Extensive Python experience
- Knowledgeable about time-series databases and traditional relational databases (RDBMS)
- Primarily use Linux both personally and professionally
- Deep knowledge of git and git internals
- Proficient at working in terminal-only environments
- Adept at writing regexes

Work Experience

Software Developer for Kx Labs

May 7th - December 28th 2018 | May 6th – August 30th 2019 | January 6th - August 28th

- Wrote numerous technical documents, detailing complex topics in an approachable way
- Explored and investigated options for improving the vector language q
- Developed an import system for our scripts which could intelligently find modules, as well as recursively resolve dependencies, and used it to help overhaul the build process
- Researched and developed a demo for eBPF which integrated several features of the technology into kdb+
- Extended a proprietary git API to support stashes and tags, and provided continue maintenance as my coworkers and I reduced the technical debt of the legacy system

Teaching Assistant for Carleton University

January 11th 2018 - April 11th 2018 | September 14th - December 7th

- Acquired a wealth of practical experience in understanding code that other people wrote
- Provided constructive feedback during code review sessions
- Presented and cemented new technical concepts to students in an efficient manner
- Developed marking utilities to help automate the marking process, which were adopted by many other TAs to streamline the marking process (ta_utils repo on Gitlab)

Intern Software Engineer for Juniper Networks

May 1st 2017 - August 25th 2017

- Used the git version control system in conjunction with Juniper Network's own infrastructures to efficiently integrate my changes into the codebase
- Programmed a testing infrastructure that was easily extensible, and was integrated with the rest of the testing environment to help reach 100% code coverage of an important module in a short period of time
- Wrote the specifications and usage manual for the aforementioned test infrastructure
- Collaborated with 10 team members using agile development practices such as daily scrums to produce some of the highest quality software in the entire company

Education

Carleton University, Bachelor of Computer Science, Honours, Minors in Mathematics and Philosophy

September 2016 – April 2021

- 4th year undergraduate, CGPA 11.64/12.00 (Letter Grade: A)
- Thrice over Dean's List student
- Received the highest-level Carleton Entrance Scholarship for earning a mean grade greater than 95% during 2015 & 2016 (Renewed in 2017, 2018, and 2019 for maintaining a CGPA above 10.0)

WILLIAM GLAZER-CAVANAGH

438-389-8650 ◊ william.glazer-cavanagh@polymtl.ca ◊ French/English

[LinkedIn](#) [GitHub](#) [CV](#)

PROGRAMMATION

Languages: Python, C/C++, JavaScript, Java, Julia

Data Handling: Pandas, SQL/NoSQL, NumPy

Machine Learning: Scikit-Learn, PyTorch

Visualisation: Matplotlib, Seaborn, Bokeh

Certifications: AWS Cloud Practitioner *In Progress*

AWS: SageMaker, S3, RedShift, RDS, Glue

Azure: CosmosDB, Web Apps

Tests: PyTest, SonarQube

ÉDUCATION

Polytechnique Montréal - Génie Logiciel

2017-2021

Concentration: Intelligence artificielle & Science des données

Cours Associés: Méthodes Probabilistes & Statistiques pour l'IA (**classification, régression, statistique bayésienne**), Structures de Données & Algorithmes, Fouille de Données, Fichiers & Bases de Données, Algèbre Linéaire, Calcul I-II

EXPÉRIENCES

Merck - Data Excellence Team

Janvier 2021 - Mai 2021

Montreal, Quebec

Fullstack Data Engineer Intern

- Élaboration du nouveau **pipeline ETL** sur **AWS** devant gérer les données de démographie et de vente de l'ensemble du Canada. Production de la couche conforme dans le **DataLake** afin de faciliter la tâche aux analystes d'affaires. Création de l'architecture & programmation des scripts.
- Initiative d'implémentation des pratiques **DevOps** et d'alertes de qualité des données **DataOps** au sein de l'équipe.
- Contribué à la création d'un outil d'intelligence d'affaires (**BI**) pour les représentants des ventes sur **Tableau**.

IVADO - Deep Learning Essentials [[link](#)]

Décembre 2019 - Février 2020

Montreal, Quebec

Scientific Assistant

- Contribué à l'élaboration du cours *Deep Learning Essentials* sur la plateforme d'apprentissage en ligne EDX couvrant les architectures d'apprentissage profonds suivantes: **CNNs, GANs and RNNs**.
- Aidé les éditeurs à comprendre les aspects clefs des conférences ainsi qu'annoter la terminologie du domaine. Embauché après avoir participé à l'*École IVADO/Mila en apprentissage profond* [[link](#)]

Polytechnique - MCIS Lab [[link](#)]

Mai 2019 - Septembre 2019

Montreal, Canada

Assistant de Recherche

- Analyse des répertoires GitHub d'apprentissage machine afin d'extraire les meilleures pratiques sur les logiciels *open source*. Supervisé par Bram Adams.
- Création des études de cas, collecte de GigaBytes de données par *webScraping* et requêtes d'APIs REST avec **Python**, analyse de données avec **Pandas**, **Matplotlib** ainsi que **NumPy**.
- Travaillé à temps plein sur le projet qui a ensuite été repris par des post-docs au laboratoire MCIS. Le papier est présentement dans les phases finales de rédaction.

PROJETS PERSONNELS

LISTE COMPLÈTE SUR LINKEDIN → ACCOMPLISSEMENTS

PolyAI - AI Student Club [[link](#)]

Août 2019 - Décembre 2019

Montreal, Quebec

Directeur des Formations

- Enseigné les bases de la science des données et l'apprentissage machine à un groupe de 10 étudiants. Couvert la méthodologie de la science des données, la **régression linéaire/logistique à plusieurs variables, K-NN & K-Means** et leurs implémentations.
- L'un des 4 premiers membres à lancer le projet ainsi que le club en entier.



Wissam Ghoudi
Ottawa/Canada | +1 (343) 333-6131
WissamGhoudis@gmail.com
[github](#) | [linkedin](#)

SUMMARY

Statistics Student && Aspiring Data Scientist always questioning why things are the way they are and searching for methods to improve them. Looking to help organizations realize the potential of big data and advanced analytics! Besides being a data junkie, I'm a cycling and nature fanatic 🚴‍♂️

EXPERIENCE

STATISTICS CANADA

DATA SCIENTIST

January 2020 - January 2021

Ottawa, ON

- Worked on the automation of our data pipeline from the extraction point, to integrating it with other sources and dropping it into a data warehouse achieving quality real-time insights and better data management practices
- Implemented a tool that decodes a VIN (Vehicle Identification Number) to extract vehicle information resulting in consistent processing and a reduction of computation time
- Coupled with other data sources, we release quarterly Automotive statistics hence increasing awareness regarding Zero Emission Vehicles to help fight climate change

ROYAL MILITARY COLLEGE OF CANADA

RESEARCH ASSISTANT

May 2019 - December 2019

Kingston, ON

- Inverting transforms that arise in the study of Markov models using Maple and QROOT (in-house software) by using the roots of high degree polynomials and transcendental functions
- Results aided in the prediction of service and waiting time, that are often used when making business decisions about resources needed to provide a service

FARMER

IRRIGATION TECHNICIAN

May 2018- September 2018

Gabès, Tunisia

- Re-designing water irrigation system and re-aligning water pipes to increase water pressure for a more efficient water distribution
- Installation of pressure valves to accommodate with high pressures due to submersible pumps as well as digging wells to harvest clean water

SKILLS

PROGRAMMING LANGUAGES Python | SQL | R | SAS | Maple | PowerBI | L^AT_EX | C# | Git

DATABASES MySQL | Netezza | PostgreSQL | Databricks | Azure

PROJECTS

DATA MINING & ANALYSIS

INTERNET SERVICE PROVIDER CHURN ANALYSIS

- Built and tested multiple predictive models using both supervised and unsupervised learning methods while varying and tuning different parameters within each model, resulting in a reduced false-positive prediction rate
- Achieved a **reduction** in the predicted customer churn rate from **27 %** to **19 %** through the aforementioned procedures. This potentially resulted in increased annual savings for the Internet Service Provider

EDUCATION

QUEEN'S UNIVERSITY

BACHELOR OF SCIENCE (HONS.) IN STATISTICS

September 2017- April 2021

- **Teaching Assistant** for courses such as Discrete Mathematics for Computing and Differential & Integral Calculus
- **Relevant Coursework:** Computational Data Analysis & Mining, Discrete Time Series Analysis, Real & Survival Analysis, Probability & Statistical Inference and more

Education

Bachelor of Applied Science (BASc) – Computer Engineering

expected 2022

Queen's University, Kingston, ON

- Programming: C, C++, Java, Python, Verilog
- CAD: Ansys SIwave/Electronics Desktop, Cadence Allegro Package Designer/PCB Designer, SolidWorks
- Adept with Microsoft Office suite applications (Excel, Word, PowerPoint)
- Relevant coursework: Computer Architecture, Digital Systems Engineering, Microprocessor Systems, Operating Systems, Computer Networks

Relevant Experience

Analog Design Engineering Intern, Advanced Micro Devices

2020-2021

- Created and analyzed models using advanced electrical design analysis (EDA) tools to help define next-generation product standards
- Worked closely with layout design engineers to identify hotspots for improvement on GDDR6 memory performance
- Analyzed wide bandwidth of high-speed circuits using time domain reflectometry, eye diagrams, and scattering parameters
- Validated modelling tools and methodology with state-of-the-art Signal Integrity Engineering Laboratory measurements
- Developed scripts to automate and simplify complex workflows with EDA tools
- Quickly adapted and prioritized work based on dynamic project timelines while working remotely

Engineering projects

Lead Engineer, GreenScreen - Queen's Genetically Engineered Machine Team

2019 (Summer)

- Spearheaded prototyping of a THC biosensor encased in a portable roadside testing device
- Collaborated with biochemistry experts to collect feedback for design iteration
- Oversaw development of hardware and software processes for the project
- Travelled and did poster presentations and seminars at multiple regional conferences
- Received a gold medal award at the International Genetically Engineered Machine Competition in Boston (https://2019.igem.org/Team:Queens_Canada)

Queen's Soft Robotics Design Team, Queen's University

2018-2019

- Conducted literature and project reviews for theoretical and existing soft robotic systems
- Planned and undertook collaborative pneumatic actuator system development for locomotion
- Modelled silicone casting molds on Solidworks for 3D printing with Ultimaker Cura printers
- Assessed final project capabilities against performance evaluation matrix

Research Assistant, Ryerson Applied Aerodynamics Laboratory of Flight

2016 (Summer)

- Independently developed a quadcopter propeller prototype with an emphasis on efficiency
- Supported quadcopter flight dynamics research in collaboration with Aeryon in a wind tunnel testing laboratory
- Presented results to fellow research students as well as their supervisors and mentors

Alexandre C. Le Blanc

a.leblanc@queensu.ca | 403-991-2305 | linkedin.com/in/alexleblanc1/

EDUCATION

Queen's University

[2016 – 2021]

B.A.Sc in Applied Mathematics and Computer Engineering, and the Smith's Certificate in Business – GPA: 3.63

- Varsity Water Polo Captain, MVP, and OUA Athletic All-Star. Four consecutive podium-finishing seasons.
- Awards: Dean's Scholar; Queen's Principal's Scholarship; Stirling/Cape Entrance Scholarship; OUA Academic All-Star.
- Thesis: "Producing Differentially Private Data using a Least kth-order Generative Adversarial Network"

Additional Certification

- Currently completing the Canadian Securities Course; obtained the French DELF B2 Diploma (French proficiency)

PROFICIENCIES

Programming: Python (TensorFlow, Keras, Scikit-Learn, NLP, Numpy, Pandas), SQL, Spark, MatLab, C/C++, R, Java.

Technologies: Azure Databricks, Delta Lake, Data Lake, EventHub (kafka), Synapse Analytics, Git/GitHub.

Soft Skills: leadership, communication, critical thinking, autonomy, adaptability, time-management and organizational skills.

WORK EXPERIENCE

Data Scientist Intern | Peloton Computer Enterprises

[May 2020 – Aug 2020]

- Investigated the big data platform Azure Databricks to determine the feasibility for Peloton to incorporate the platform and replace legacy technologies.
- Implemented a big data solution using Apache Spark and Databricks to help Peloton meet the processing demand of its clients' high-density data streams. This was an end-to-end ETL solution that ingested and processed unstructured data, then stored the sanitized data in a SQL data warehouse to be used for analytics and BI.
- Developed several ML algorithms, such as fuzzy-matching data correction and event-record clustering, as proof-of-concept to demonstrate the benefits of integrating AI and ML into Peloton's platform.

Broadband Product Development Team Intern | Shaw Communications

[May 2018 – Aug 2018]

- Determined each product trial participants' bias based on past surveys to select more balanced trial sample groups.
- Automated extraction of product feedback surveys' KPI's. Reduced extraction time per survey from 30min to 30sec.

DESIGN TEAMS AND TECHNICAL PROJECTS

Producing Differentially Private Data using a LkGAN | MTHE Final Year Thesis

[Nov 2020 – Present]

- Modifying the Least Kth-order GAN architecture in order to generate synthetic datasets which satisfy the definition of Differential Privacy. In other words, altering datasets such that no individual can be identified or harmed with the release of the dataset, regardless of auxiliary information, all while preserving the underlying distribution of the data to allow meaningful research, analysis and model development.

Stock Options' Volatility Prediction (Team Lead) | QMIND: Queen's AI & ML Club

[Oct 2020 – Present]

- Developing an ARIMA time-series forecasting model in Python to predict the volatility of a particular stock option. Based on prediction, the model indicates which option trading strategy to use from a predefined list.

Quantitative Pairs-Trading Algorithm | QUANTT: Queen's Algorithmic Trading Team

[Oct 2020 – Jan 2021]

- Programmed a pairs-trading algorithm to autonomously interact, buy, and sell in real-time with a live simulated version of the financial market to maximize profit. Programmed and tested in Python within QuantConnect.

Medical Imaging Enhancement using SRGAN | CMPE 351 Advanced Data Analytics

[Mar 2020 – Apr 2020]

- Developed a Super-Resolution Generative Adversarial Network in Python to improve the resolution of medical images (CT scan, MRI, X-ray) with the goal of reducing the difficulty and costs associated with medical imaging and analysis.

Trade-Caller Metadata Extraction Tool for TD Bank | QMIND: Queen's AI & ML Club

[Sep 2019 – Mar 2020]

- Produced an NLP solution in Python to extract caller metadata to identify their trade intentions and automate trading.
- Model accurately decoded and recorded the desired volume, direction, product and currency of a caller's trade.

LEADERSHIP EXPERIENCE

Varsity Water Polo Captain | Queen's University and National Championship League

[Sep 2016 – Present]

- Queen's: Captain; team MVP; OUA Athletic All-Star; OUA Academic All-Star; OUA Silver (x1) and Bronze (x3) medalist; Queen's Jack Jarvis Athlete of the Year Award top three nominee.
- Team representative on the Varsity Leadership Club: participated in and helped organize community fundraisers.
- NCL: played on Ottawa United in 2018 and Capital Wave in 2020. Ranked 6th individually in the NCL in 2020.

ANDREW SIMONDS

SOFTWARE ENGINEER

CONTACT

613-914-7674



andrew.simonds14@hotmail.com



<https://andrewsimonds14.github.io>



EDUCATION

Bachelor of Engineering & Applied Science, Queen's University, ON
Computer Engineering – Software Engineering Specialization

2017 - 2021

- Dean's List Honours Scholar
- **Software Courses:** Data Structures, Algorithms, Operating Systems, Networks, Databases, Cryptography, Machine Learning, Image Processing
- **Hardware Courses:** Computer Architecture, Logic Design, Circuits, Mechatronics

PROFESSIONAL EXPERIENCE

SOFTWARE ENGINEER

Robotics and Computer Vision Lab, Queen's University, Kingston, ON

2020 - Present

- Led the development of a web/mobile application to be used in hospitals for socially distant communication between nurses and patients
- Utilized tools such as WebRTC and Socket.io to provide seamless communication over local area web app, designed and deployed using the MERN stack

SOFTWARE DEVELOPER

Mosaic Manufacturing, Toronto, ON

Summer 2020

- Spearheaded development of user interface for new product, Palette 3
- Became proficient in full stack development using Node JS, Express, and React JS in an agile development environment

SOFTWARE ENGINEERING INTERN

TELUS, Toronto, ON

Summer 2019

- Developed software for a mobile malware detection solution in Linux environment
- Supported machine learning program for anomaly detection

BARTENDER

Queen's Pub, Kingston, ON

2018 - 2020

- Managed all aspects of the bar, prepared beverages and served customers

EXTRA-CURRICULARS

PROJECT MANAGER & SOFTWARE DEVELOPER

Queen's Machine Intelligence and Neuroevolution Design

2018 - Present

- Mastered skills in using Git, data scraping, feature engineering, machine learning models, and project management
- Led a small team in developing end-to-end AI applications for hockey analytics, an autonomous vehicle highway simulation, and various video games

PERSONAL PROJECTS

HOCKEY REBOUND PREDICTOR

- Created & implemented a neural network to predict shot rebounds for ice-hockey
- **Outcome:** Accuracies varying around 50% for placing the rebound angle into 15-degree bins surrounding the goalie
- **Skills/Tools used:** Python, neural networks, Tensorflow, Pandas

RUBIK'S CUBE SOLVER

- Developed a Windows application to scan in a Rubik's cube and determine a solution
- **Outcome:** Able to scan in a cube and output a 3D solution to follow along with
- **Skills/Tools used:** C++, Object Oriented programming, OpenCV, Qt

SKILLS

- **Languages:** Python, JavaScript, C/C++, HTML/CSS
- **Libraries/Frameworks:** React JS, Express, Node JS, NoSQL/SQL databases, TensorFlow, Pandas, Scikit Learn, Unity
- **Miscellaneous:** Git, Agile development, Linux
- **Leadership Traits:** Fast learner, curious thinker, dedicated worker

COLIN CUMMING

colin.cumming@queensu.ca | <https://github/16cmc21> | www.linkedin.com/in/c-cumming | (905) 868 - 7560

EDUCATION

Queen's University

Bachelor of Applied Science, Computer Engineering

Kingston, ON

2017 – 2021

- Academics: Cumulative GPA: 3.75 / 4.30; Dean's List.

- Skills: Python, Java, C/C++, MatLab, MySQL, VHDL, Git, Android Studio, Web Scraping, MS Suite

EXPERIENCE

Queen's University Engineering Society

Kingston, ON

First Year Orientation Leader

2018

- Led a group of 30 students through an intensive week of activities, with active mentoring throughout the year, ensuring integration into the community and acting as a point of interest for resources, advice, and support.

EngLinks

Kingston, ON

First Year Course Tutor

2019 – 2020

- Instructed peer – to – peer tutoring sessions for first year engineering students in computer programming, calculus, and physics
- Led midterm and final workshops for up to 100 first year engineering students in computer programming

Eddie Bauer

Newmarket, ON

Sales Associate

2016 – 2019

- Carried out day to day tasks including communicating with customers and managerial staff
- Trained incoming staff on product knowledge, communication, and store systems
- Operated as a sales leader during holiday seasons

Projects

Artificial Intelligence Design Team - QMIND

Kingston, ON

Managing Director of Design

2020 – Present

- Leading QMIND, Canada's largest undergraduate AI and machine learning organization with over 225 hired members, an executive team of 40 Directors and Project Managers, and 31 design and client-facing AI consulting teams.

Artificial Intelligence Design Team - QMIND

Kingston, ON

Project Manager

2019 – 2020

- Managed a group of 4 technical students through a year long development period
- Trained a convolutional neural network with Keras; used OpenCV and Numpy for data science related tasks.
- Produced a machine learning model which could translate American Sign Language with 93% accuracy

Artificial Intelligence Design Team – QMIND

Kingston, ON

Design Team Member

2018 – 2019

- Developed a housing price prediction algorithm with 4 technical students and a client
- Utilized a convolutional neural network and a multi-layer perceptron to accurately predict the prices of houses from an image with a maximum error of 20%
- Integrated an object detection algorithm to reduce image noise improving model accuracy by 18%

QHACKS – Queen's University

Kingston, ON

Design Competitor

2019

- Worked with 3 technical team members to produce an algorithm that optimized traffic flow through cities during a 36-hour hackathon
- Implemented video streaming and object detection with OpenCV and TensorFlow along with the COCO dataset
- Created an algorithm for determining states of objects in frame and output this information into a graph of nodes

Sexual Assault Centre of Kingston

Kingston, ON

App Developer

2018

- Produced a prototype app for a resource oriented android application to inform Kingston youth about sexual assault
- Utilized Android Studio as a development environment along with Git to collaborate with group members
- 83% of surveyed Kingston youth aged 14-20 found the app informative and would recommend to a friend in need

ADDITIONAL INFORMATION

Prior Education: Sir William Mulock Secondary School, Honour Roll, Summa Cum Laude, Ontario Scholar

Further Experience: Local farm hand – King Cole Duck Farm, year 10; Food preparer – Dairy Queen, year 11

Notable Awards: “Best Paper Award” at CUCAI 2020 for HelpingHand: The ASL Translator

Connor Cozens

709-545 Fanshawe Park Road West, London, ON, N6G0Y4

905-703-1860; cozcon@gmail.com; www.linkedin.com/in/connorcozens/

EDUCATION

Western University (Grad '21), London, ON, Canada

Bachelor of Science, Honors Specialization in Computer Science, Minor in Software Engineering

- Notable Projects/Courses: [Typewriter Game](#), [Invest-Ed: Girls' Education Data Visualization](#), [dragnet](#)

deeplearning.ai, *Online (Coursera)*

- Currently pursuing a specialization in Deep Learning and Neural Networks

WORK EXPERIENCE

University Students' Council of Western University, London, ON, Canada

Events Crew

2019 - Current

- Ensured quality of events including concerts and conferences through the use of strong communication skills to ensure events run as expected, and adapt to any changes in organizer requests

Associate Vice-President, Orientation

2018 - 2020

- Planned events, training, and schedules to engage the undergraduate class of over 7000 students
- Managed a team of over 900 volunteers to ensure teams were able to plan, purchase, and execute team uniforms, events, programming, and approved decisions to ensure all decisions stayed within the combined budget of over \$700,000, managing contingency funds for changing needs
- Developed and implemented training programs on mental health, drugs & alcohol, and gender-based violence with community partners such as ANOVA; set organizational priorities and gave volunteers the resources to provide a safe and accommodating environment for new students
- Researched and booked artists that would engage our incoming demographic of students while staying within budget and ensuring a diverse range of events for students with different interests

Mold-Masters Limited, Georgetown, ON, Canada

Stockroom Assistant

2018

- Maintained accuracy in the shipping and quality of specialty parts through the use of SAP systems
- Created inventory databases for old and unlabeled items, improving efficiency by saving employee time searching through unlabeled systems for new orders

OTHER ACTIVITIES & INTERESTS

Western University

Western AI - Co-Founder & VP, Communications

2019 - Current

- Initiated creation of club infrastructure including executive structure, management, and hiring
- Analyzed social media algorithms and strategy to grow our social media presence and recruit new members; allowing Western AI to be the fastest-growing club in the university in its first year

Western AI - Project Manager

2020 - Current

- Facilitated a team of 5 undergraduate students with no AI experience through learning, developing, and launching a simple AI image classification model through assigning responsibility by member strengths

Computer Science Undergraduate Society - VP, Communications

2018-2020

- Coordinated marketing initiatives with each portfolio and Western administration to ensure events were run correctly, well-advertised, and accessible to all students

Technical Skills: Python, Java, Javascript, Version Control Software, Machine Learning

Interests: Music, Rock Climbing, GPT-3, Cooking, Neuralink & Integrated Technology

Delaney Stevens

930 Sherwood Lane, West Vancouver, British Columbia V7V 3X9

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EDUCATION

Western University, London, ON, Canada

2021

Candidate for Bachelor of Engineering Science, Mechatronics Systems Engineering

Ivey Business School, Western University, London, ON, Canada

2021

Candidate for Bachelor of Arts, Honors Business Administration (HBA)

WORK EXPERIENCE

Polar Battery, Vancouver, BC, Canada

2014 – 2020

Junior Project Manager

- Coordinated marketing materials for the summer recycling campaign by collaborating with sales team for best way to impact customers; campaign ran smoothly, increased recycled batteries by 50%.
- Overlooked the design and implementation of an independent battery recycling program by delegating tasks for financial projections, cost/price analysis, and assessing government regulations; the new program is projected to make \$25,000 year over year on top of preventing a loss of \$14,000.

Dynamic Rentals, North Vancouver, BC, Canada

2017 – 2019

Marketing Assistant

- Managed procurement of promotional materials and services by researching, negotiating, and ordering from suppliers; efficiently completed three advertising operations to improved local awareness

OTHER ACTIVITIES AND INTERESTS

Cave Exploration Robot (Capstone)

2020 – Present

- Designing and building a cave exploration robot that maintains communication to the surface through the live deployment of nodes to form a dynamic network that adapts to an unknown environment.

WE Trillium Hyperloop Team, Co-founder & Operations Team Lead

2020- Present

- Managed the scheduling, recruiting, marketing, and finances for Western's first 40-member Hyperloop build team

Big Sister Little Sister Program - Women in Engineering, Big Sister

2020

- Guided and advised first year “little sister” through the new academic and social challenges that exist in university.

Engineers Without Borders Pen Pal Program, Mentor

2018 – Present

- Mentored a female elementary school student and provided encouragement to continue pursuing an education in the career of her choice.

SKILLS

Technical:

- MS Office Suites, G Suites, Adobe Suites
- *Machine Learning Packages:* TensorFlow, NumPy, Pandas, Scikit-learn, Keras, SciPy, Brian
- *Programming Languages:* C/C++, Assembly, Python
- *IDEs/Platforms:* GitHub, PyCharm, MS Visual Studio, IDLE, Arduino, Spyder, Jupyter, Anaconda, ROS
- *3D Modelling:* Certified SolidWorks Associate – Mechanical Design, Certified SolidWorks Associate – Simulation, AutoCAD

Languages: Fluent in English, Basic conversational skills in French and Tagalog

Emily Wang

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linkedin.com/in/emilywang98 | <https://github.com/Emilywang98>

Education

B.E.Sc Chemical Engineering, Western University

- Cumulative GPA: 83% (3.7)
- Dean's List (2016, 2017, 2018, 2019)
- Awards: Alexander Charles Spencer Admission Scholarship (2016), MITACS Globalink Research Award (2017), International Learning Award (2017), Global Opportunities Award (2017), Emco Scholarship (2017, 2018, 2020), Ontario Professional Engineers Foundation for Education Scholarship (2020), CNRL Building Futures Scholarship (2020).

Sept 2016 – May 2021
London, ON

Technical Skills

- **Advanced Experience** – Excel and Microsoft Office, AccuMap, Wellview, Mosaic, Visio.
- **Intermediate Experience** – Python, C, Matlab, Aspen Hysys, Flutter, Dart.
- **Basic Experience** – C++, Simulink, Labview, Java.

Work Experience

Digital Marketing Associate, Mach Media Marketing

- Utilizing various social media platforms and digital technologies to promote food services.

Aug 2020 – Present
Calgary, AB

Exploitation and Production Engineering Intern, Canadian Natural Resources Ltd.

- Optimizing production using reservoir, geological, and economic analysis for fields across Alberta and Saskatchewan.
- Tracking team's cash flow target of \$5.7 million to meet companywide goals.
- Utilizing AccuMap, Mosaic and Excel to determine reservoir quality and remaining reserves.
- Interpret Porosity and Resistivity logs of the oil reservoir.
- Analyzing historical jobs done on wells to optimize future free cash flow while minimizing expenses.

Sept 2019 – Aug 2020
Calgary, AB

Field Operator, Canadian Natural Resources Ltd.

- Checking, maintaining and optimizing 30 oil wells to record daily production and fluid levels.
- Book oil and water loads to nearby batteries for oil processing.

May 2019 – Aug 2019
Lloydminster, AB

Research Intern, Tianjin University

- Research under a PhD student in using Green Chemistry Engineering to produce industrially significant compounds.
- Utilize numerous apparatuses to analyze chemical and structural characteristics of compounds.

May 2018 – Aug 2018
Tianjin, China

Customer Service Intern, China Railway Trust Co. LTD

- Assisting in a variety of services such as wealth management and investment services.
- Coordinating office services by keeping records and preparing documentation for numerous customers.

May 2017 – Aug 2017
Beijing, China

Activities & Membership

Mobile Application Developer, TrueCoach

- Design and develop a mobile application through Flutter using Dart programming language and hosting it on Firebase backend.

January 2021-Present

Sept 2020 – Present
London, ON

Vice President Marketing and Outreach, Chemical Engineering E-Car Club

- Maintaining club's website and social media platforms while fostering interest in the team.

Sept 2020 – Present
London, ON

Mentor, Women in Engineering Club

- Mentor a first year Engineering Student.

Sept 2018 – Present
London, ON

Member, Canadian Society for Chemical Engineering (CSChE)

Vice President Social, Chemical Engineering Club, Western University

- Responsible for organizing and running social events while minding budget constraints.

Sept 2018 – May 2019
London, ON

Events Executive, Western University Eating Disorder Club

- Responsible for organizing events while managing various social media platforms.

Sept 2016 – May 2018
London, ON

Projects

Gideon Project, Western AI Club

- Predicting the likelihood of developing a heart disease using Python libraries.

Sept 2020 –Present
London, ON

Capstone Project

- Converting plastic waste into syngas through gasification.

Sept 2020 – Present
London, ON

Cash Collect, Hack Western

- Develop an Android App using Android-Studio and Firebase to split transactions among multiple users.

November 2020
London, ON

Piggy Fund, She Hacks

- A mobile fintech app made on Flutter that educates young individuals on how to budget through their allowances.

January 2021
London, ON

Re-Mind, Hack the North

- A mobile app to assist dementia patients with their daily functions through facial/item detection and recognition to create a log of interactions based on times and dates.

January 2021
London ON

Fakid Hossain

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EDUCATION

Queen's University

BASc. Mechanical Engineering w/ Professional 1-Year Internship

Kingston, ON

Sept 2016 – May 2021

- Chancellor's Scholarship (Queen's Major Entrance Award for Top 50 Admission Applicants – Valued at \$36,000)
- Kenneth B. Carruthers Scholarship (Queen's Upper Year Award for Academic Excellence)
- Dean's List (Awarded Every Year, 2016 –Present)

PROFESSIONAL EXPERIENCE

Ernst & Young (EY)

Toronto, ON

Incoming Consultant | Management Consulting

Sept 2021

Hatch

Mississauga, ON

Mechanical Engineer Co-Op | Engineering Consulting

May 2019 – Apr 2020

- Completed a 12-month internship at Hatch Ltd., a global management and engineering consulting firm, to support the development of the largest potash mine in the world and the implementation of autonomous mine mobile battery electric vehicles (BEVs).
- Authored and managed seven mine mobile engineering and procurement packages worth over \$140 Million in total.
- Travelled across Canada upon the request of clients to lead and facilitate RFP bid-evaluation workshops and presentations.
- Personally won project work (300 chargeable hours) for Hatch Ltd. based on strong client relations and proven project delivery excellence.

Syncrude

Fort McMurray, AB

Mechanical Engineer Co-Op | Oil and Gas

May 2018 – Aug 2018

- Completed a 4-month internship at Syncrude Ltd., one of the world's largest producers of synthetic crude oil and the largest in Canada.
- Developed two equipment strategies that mitigated major multi-million-dollar risks for the company's mine tailings equipment.
- Produced 12 engineering packages using CAD modeling software and professional codes/handbooks that provided technical and maintenance support to the company's mining, piping, extraction, and utilities sectors.

Queen's University

Kingston, ON

Research Assistant | Laser Additive Manufacturing

July 2020 – Present

- Working alongside Dr. Fallah to build a novel Laser Powder Bed Fusion (LPBF) metal 3D printer with innovative laser optic assemblies.

Head Teaching Assistant | MECH 213

Jan 2018 – May 2019

- Selected through Dr. Fallah's recommendation to be the Head Teaching Assistant (TA) for MECH 213 – Manufacturing Methods.
- Taught class sizes of 170-plus students, produced weekly instructional videos using film teams, and supervised other TAs for the course.

Teaching Assistant | MECH 217

Sept 2018 – Dec 2018

- Worked under Dr. Sellens to teach Mechatronics to 70-plus students during lab sessions and 190-plus students during tutorial sessions.

EXTRACURRICULAR / LEADERSHIP

QMIND – Queen's AI Hub

Kingston, ON

Managing Director of Operations | Co-President

Mar 2020 – Present

- Leading QMIND, Canada's largest undergraduate AI and machine learning organization with over 200 hired members, an executive team of 40 Directors and Project Managers, 31 design and client-facing AI consulting teams, and an annual revenue of over \$100,000.
- Overseeing all high-level strategies, client acquisitions, marketing, and brand management for QMIND and its two subsidiaries:
 - Canadian Undergraduate Conference on AI (Canada's first and largest undergraduate conference on AI, held annually in Toronto, ON)
 - inQUBate (Canada's first student-run AI incubator, empowering student entrepreneurs in the B2B and B2C SaaS space)
- Implemented a zero-based budget to reduce operating costs and centralized all partnership efforts across to increase consulting revenue.

Queen's Hyperloop Design Team

Kingston, ON

Business Captain | Co-President

May 2018 – Sept 2019

- Managed and led over 60 multi-discipline undergraduate students to a top 2 position nationally and a top 20 position internationally out of hundreds of universities in the 2019 SpaceX Hyperloop Pod Competition in California, USA – the highest position the team ever received.
- Oversaw all business operations on the team including sponsorships, corporate partnerships, finance, marketing, branding, and hiring.
- Developed strong corporate partnerships with companies including SNC-Lavalin, PwC, Shell, WSP, L3 Technologies, and Magna.

ADDITIONAL INFORMATION

- **Technical Skills:** Programming (Python, Arduino, and MATLAB) and CAD Modeling (Solid Works, NX 11, ANSYS, MicroStation).
- **Creative Skills:** Graphic designer (Adobe Photoshop, Figma) and video editor (DaVinci Resolve 16, Filmora9).
- **Community Outreach:** Vice President of Queen's University branch of Shinerama (Canada's largest post-secondary fundraiser aimed at raising money for cystic fibrosis research) and Lab Supervisor for the DDQIC Innovation Centre (one of Canada's only maker-space/design studios).

Hollis Holmes

 819-213-1594

 Hollis.Holmes@queensu.ca

 /hollisholmes

Education

Bachelor of Applied Science, First Class Honours, Queen's University

- Applied Mathematics and Mechanical Engineering

Certificate in Business, First Class Honours, Smith School of Business

- Finance/accounting supplementary to engineering degree

Tools

Data: Office Applications and VBA, Python, MATLAB, SQL

Design: ANSYS, Creo 4.0, Auto CAD, Simulink

Pursuing a CFA

Work Experience

Research Assistant, Department of National Defence

May 2019 - August 2019

- Provided analytics to identify militant shortfalls with the Canadian Army, Armored Divisions
- Built simulation using VBA to completion in four months

Mechanical Design Intern, Ciena

September 2018 – December 2018

- Redesigned mechanical interface using Creo 4.0, analysed design constraints using ANSYS
- Ran thermal tests on hardware to evaluate thermal dissipation efficiency for products in design
- Designed and 3-D printed test jigs, implemented hardware modifications to motherboards

Project Management Intern, Brookfield Asset Management

May 2018 – August 2018

- Transitioned from intern to leader in finance meetings on 5 projects valued over \$5 million
- Enforced project timelines in meetings with consultants, auditors, and estimators

Engineering Intern, HAVI Global Solutions

May 2017 – August 2017

- Managed transfer and accuracy of data to new spec management system
- Contacted suppliers to discuss information discrepancies

Projects

Philomathy

- Dedicated 500+ hours to learning MIT computer science curriculum (active project)
- Completed 4-Course Python and SQL Certificate, Coursera (University of Michigan)
- Completed Machine Learning Course, Coursera (Stanford University)
- Completed Databases and SQL for Data Science (IBM)

Engineering Week Committee, Finance Manager

- Managed finance and logistics for events attended by over 1000 students
- Collaborated effectively in a team of 10 as the youngest member of the committee

Queens Machine Intelligence and Neuroevolution Design Team, (September 2020 - Present)

- Designing codebase for autonomous vehicle highway travel and lane changes
- Design Showcase Winner: Best design process and vehicle performance results

Undergraduate Thesis: "Discrete-Time Controlled Closure of the Aortic Valve Using Blood Vortices"

- Researched and modelled formation of blood vortices in the left ventricle
- Designed linear state feedback controller to optimize closure time of aortic valve



PROFILE

4th year computer engineering student at Queen's University. Knowledgeable and technically minded person. Moderate to high level of experience in multiple programming languages. Ten years of personal, academic, and professional experience with computer systems and software.

Participated in multiple engineering projects at Queen's university such as a web application for tutoring service, and a space invader like video game. Also experienced in design software. Volunteer graphic design experience at StudioQ, Queen's university's media organization.

CONTACT

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613-462-4074

LinkedIn:
<https://www.linkedin.com/in/hozrashid-71873550/>

EMAIL:
hozrashid@gmail.com

HOBBIES

Computer Aided Design
Violin
Video Games
Soccer

HOZ RASHID

Computer Engineering student

EDUCATION

Queen's University

September 2017 - Present
First place in 2nd year's robotics competition; Leadership experience; Execute multiple computing and electronics projects

Adult Highschool

September 2015 – January 2017
Participated twice in the annual Global Village Festival; 2017 Graduate science award; OCDSB silver medalist

WORK EXPERIENCE

SparQ Studios Makerspace Volunteer Supervisor

September 2019 – April 2020
Guarantee the safety of everyone in the workspace, maintaining a positive and productive environment.

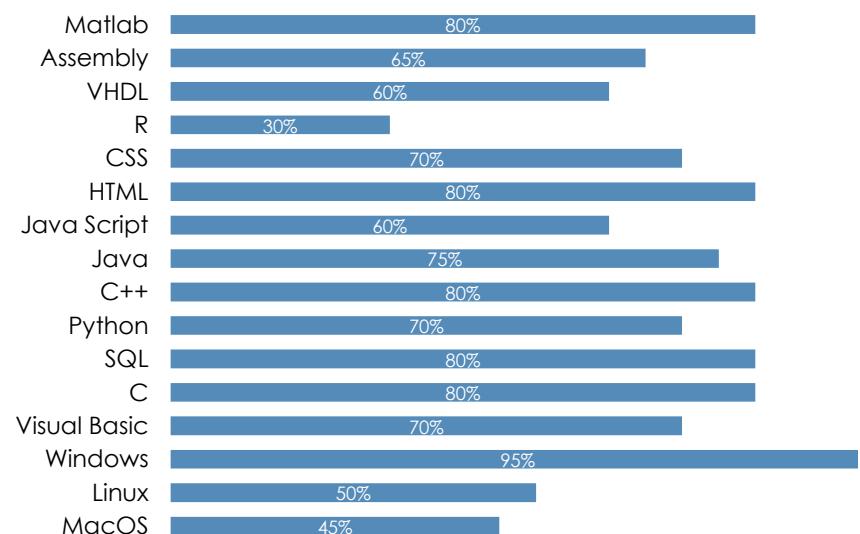
Robotics Project

January 2019 – April 2019
Assembling and programing a robot running on an Arduino. Testing and optimizing by adjusting sensor and hardware parameters.

Nursing Home Elopement Prevention Project

September 2018 – December 2019
Research and development of a solution to the elopement of elders at nursing homes; IR and RFID technologies; Project cost analysis.

SKILLS



Graduating: April 2021, Seeking Full-Time Employment: Sept 2021, Field: Software Engineering, Data Science, Machine Learning

EDUCATION

Applied Mathematics Engineering – Computing Option (BASc) | Queen's University | Kingston, ON

Sept. 2017 – Present

- 4.10/4.30 GPA, Principal's Scholarship (\$6,000), Dean's Honour List (2017-18, 2018-19, & 2019-20)
- [Courses](#) include Stochastic Processes, Information Theory, Optimization Theory, Databases, Algorithms, OOP in Java

TECHNICAL SKILLS

Python, SQL, Java, C, Swift, MATLAB, Pandas, NumPy, Scikit-learn, Keras, Regex, Matplotlib, Git, Tableau, Google BigQuery, Microsoft Azure ([Azure Fundamentals Certification](#)), Hadoop, Hive, Impala, Apache Spark

PROFESSIONAL EXPERIENCE

Analytics & Data Science Intern | TD Bank | Toronto, ON

Jun. 2020 – Aug. 2020

- Completed month-long training on Hadoop, Hive, Impala, Apache Spark, R, Trifacta, Tableau, and Microsoft Azure
- Developed Python scripts that generated over 10 million records of product usage data for fictional TD customers
- Trained a collaborative filtering recommender system using PySpark's ALS algorithm on product usage data (implicit data)
- Created resources explaining the ALS algorithm, matrix factorization, latent features, the cold start strategy, etc.
- Recorded videos demonstrating how TD's internal big data analytics platform could be used to develop analytics solutions

Data Science Intern | Pelmorex | Oakville, ON

May 2019 – Aug. 2019

- Analyzed location data, weather data, and sales data using SQL, Google BigQuery, Python, Pandas, and Matplotlib
- Investigated the increase in clients' customer traffic after showing advertisements to various customer segments
- Found correlations between weather data and sales data and presented insights to clients
- Scheduled SQL jobs to automate repetitive tasks – saved multiple employees 3 hours per week

Engineering Tutor & Workshop Leader | Queen's Engineering Society | Kingston, ON

Sept. 2018 – Apr. 2019

- Tutored and led workshops for first year engineering students in Computer Programming, Physics, Calculus, Linear Algebra

PROJECTS

Amazon Warehouse Robot Fleet Management | Capstone Project ([GitHub](#))

Sept. 2020 – Present

- In Python, simulated the actions of a fleet of warehouse robots moving inventory around an Amazon warehouse
- Using multi-agent reinforcement learning to determine the optimal policy that minimizes the delivery time of desired items
- Applying function approximation to speed up the convergence of the algorithm

Poker Assistant iOS App | Personal Project ([GitHub](#))

May 2020

- Developed an iOS app in Swift where users can play a simplified version of 1-on-1 Poker against an AI opponent
- Used Monte Carlo methods to approximate the probability of having a better hand than the opponent given a starting hand

Toronto Public Transit Optimization | Project Manager on [QMIND – Queen's AI Team](#)

Sept. 2019 – Mar. 2020

- Led 5 other students through the completion of a \$5,000 client-facing project to improve the Toronto subway system
- Simulated the subway system in Python and used a genetic algorithm to find the optimal location for a new subway station
- First author of research paper presented at the 2020 Canadian Undergraduate Conference in AI

LEADERSHIP EXPERIENCE

Director of Design | [QMIND – Queen's AI Team](#) | Kingston, ON

Apr. 2020 – Present

- Managed a team of project managers over the summer through the planning of 9 AI projects (\$20,000 in client contracts)
- Led the planning of a sponsored virtual hackathon for 150+ students and designed a series of 9 lectures to teach AI basics
- Created educational resources on reinforcement learning, recommendation systems, project management, and more
- Overseeing 20 students through the completion of 5 AI projects, providing mentorship and support where required

Orientation Week Leader | Queen's Engineering Society | Kingston, ON

Sept. 2018

- Welcomed 30 first year engineering students to Queen's and acted as their mentor throughout the year

Overnight Camp Counsellor | Camp Couchiching | Orillia, ON

Jul. 2017 – Aug. 2018

- Organized and taught camp activities to children aged 8-15 and led other staff members by example

INTERESTS AND ACTIVITIES

- Reading, Online Courses, Chess, Poker, Hockey, Volleyball, Ultimate Frisbee, Running, Golf

Isabela Dominguez Huerta

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Summary

Innovative computer engineering student passionate about creating technologies that can help others.

Education

Graduating 2021 **Bachelor of Applied Science: Computer Engineering**, Queen's University.
Student in the innovation stream. Awarded excellence scholarship in 2016.

Work Experience

- 5/2020 - 8/2020 **Microsoft – PM Intern**
Conducted customer interviews and analyzed qualitative feedback to improve a Teams feature. Brought clarity to stakeholders by creating specs and a phased approach to shipping. Owned vision.
- 5/2019 – 8/2019 **Fime - Intern**
Used Python to create a machine learning model and API for a new service. Created a new strategy for assisting banks with Open API and tested banks' existing solutions. Promoted team activities.
- 9/2017 – 2/2019 **CtrlGate - Co-Founder**
Started a software management platform for gated communities. Developed a business strategy and interviewed people to create a competitive identification system. Learned React Native.

Recognized Achievements

- 7/2020 **McGill Dobson Cup**
Won \$8,000 in seed funding by pitching AIM Colours, a company that empowers women through cosmetics and technology. Co-founder focused on product strategy and financials.
- 2/2020 **Queen's University Regional Pitching Competition**
Won \$1,000 in seed funding for AIM Colours. Researched customer interaction and product development. Invested award money to create hardware prototypes.
- 5/2018 – 8/2018 **Queen's Innovation Center Summer Initiative - Cohort Member**
Won acceptance by pitching CtrlGate and received \$5,000 in seed funding. Discussed customer acquisition and retention growth in marketing classes. Learned finance and business law essentials.
- 2/2017 **QHacks Competition**
Won 1st place by developing a computer game in C# using Unity and an accelerometer in a team of three during a 36-hour hackathon competition. Mastered strong time-management skills.

Technical and Personal skills

Expert programming with Python, Java, and C. Proficient knowledge of writing and testing APIs. Prior experience with C++, React native, shell scripting, and C#. Communicating technical content to all audiences. Leading customer interviews and analyzing feedback. Making engaging presentations. Analytical thinker able to set telemetry and metrics to validate behaviour. Ability to manage sprints and backlog. Proficient in using the lean methodology for product development.

Community Involvement

- 10/2019 – 3/2020 **Women in Science and Engineering - Outreach Volunteer**
Helped inspire high school female students to pursue a career in STEM.
- 10/2019 – 3/2020 **Queen's Food Bank - Volunteer**
Managed the inventory and kept the food bank accessible to the community.

Languages and Personal Interests

Spanish: native language | English: bilingual | French: basic | Piano | Tae Kwon Do | Meditation | Entrepreneurship

Jae Makitalo

Undergraduate Computing Student

Fifth year BCMP(Hons) - Biomedical Computing student at Queen's University, with a background in Entrepreneurship, Innovation and Creativity. Actively seeking opportunities in software and web development. Passionate about applying and developing my computing skills to innovate in the medical field. Proven track record with leadership, teamwork, mental health advocacy and creative development. Eager to learn, driven and engaging personality, ready to take on new and adapting challenges.



Contact

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WWW

medium.com/@jaemakitalo



Skills

Project Management

Operational Improvement

Programming

Relationship Development

Team-Oriented Personality



Work History

2020-09 -
Current

Co-President

Step Above Stigma, Kingston, ON

- Promoted to Co-President of Step Above Stigma, a CRA recognized, not-for-profit organization.
- Manage a team of 20+ members and 80+ volunteers.
- Ensure efficient, adapting and helpful leadership throughout the COVID-19 pandemic.
- Directly oversee and provide guidance to 2 Step Above Stigma sectors: E-Commerce, Events and Initiatives Sector.
- Head Director of the Step Above Stigma Summit Initiative.
- Furthered brand awareness through advocacy and outreach.
- Oversaw business-wide changes to modernize procedures and organization.

2019-09 -
Current

Design Team Member

QMIND, Kingston, ON

- Worked on a team to design a motion heatmap API using OpenCV.
- Currently in process of improving virtual assistant detection using facial detection and recognition.



Education

2016-09 -
Current

Bachelor of Computing Science (Honours)

Queen's University - Kingston, ON

2020-05 -
Current

Certificate: Entrepreneurship, Innovation And Creativity

Queen's University - Kingston, ON

2013-09 -
2016-06

High School Diploma

*Howe Sound Secondary School - Squamish, BC
Dual Dogwood Diploma*

Jordan Ingram

jingram9@uwo.ca • (519) 636-7222 • www.linkedin.com/in/jordan-ingram-uwo-2021
1-190 Oxford Street East, London, Ontario N6A 1T6

Education

| | |
|-----------------------------------------------------------------------------------------------|-----------------------|
| Bachelor of Engineering Science, Mechatronic Systems Western University, London, ON | 2016 - Present |
| | |

- Completed a 16-month professional internship
- Dean's Honour List Status for the 2016 - 2017 and 2018 - 2019 school years

Work Experience

| | |
|---------------------------------------------------------|--------------------|
| JMP Solutions, Controls Specialist London, ON | 2019 – 2020 |
| | |

- Developed assembly procedures, trained mechanical assemblers, and created an inventory tracking system for the production of 10,000 respiratory ventilators
- Programmed PLCs and HMIs, designed control panels, and procured hardware to automate manufacturing processes
- Travelled to various locations in Canada and the United States to implement solutions in the agriculture, automotive, mining, food & beverage industries

| | |
|------------------------------------------------------------------------------------------|--------------------|
| Western Engineering Outreach, Senior Instructor Western University, London, ON | Summer 2018 |
| | |

- Gained professional leadership experience as a representative of Western University
- Collaborated with a team to organize, facilitate, and design engineering workshops for groups of 20-30 students and to implement a summer day camp program

| | |
|-----------------------------------------------------------------------------------------------------|--------------------|
| Western University Call Centre, Fundraising Representative Western University, London, ON | Summer 2018 |
| | |

- Secured over \$12,000 in donations for bursaries, scholarships, and campus initiatives

Technical Skills

| | |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Advanced | Python (Libraries: NumPy, Pandas, Brian), C++, Java, MATLAB, Arduino, PLCs and HMIs (Brands: Allen-Bradley, Omron, Siemens), SolidWorks |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------|

| | |
|---------------------|--------------------------------------------------------------------|
| Intermediate | Android Development, GitHub, ROS - Robot Operating System, AutoCAD |
|---------------------|--------------------------------------------------------------------|

Additional Experience

| | |
|----------------------------------------------|-----------------------|
| Western AI, Machine Learning Engineer | 2020 - Present |
| | |

- Implemented an AI algorithm to predict heart disease using a support-vector machine

| | |
|----------------------------------------------------|-------------|
| Western Engineering Competition, Competitor | 2020 |
| | |

- Placed third in the debate competition

| | |
|----------------------------------------------------------|-------------|
| Conference on Diversity in Engineering, Volunteer | 2019 |
|----------------------------------------------------------|-------------|

Joseph Grosso

MATH & COMPUTER ENGINEERING STUDENT · DATA SCIENCE & SOFTWARE DEVELOPMENT

▪ +1 (905)-906-3410 | □ joe.grosso@cogeco.ca | □ 15jjg6 | □ jgross01

Education

Queen's University

BACHELOR OF APPLIED SCIENCE | APPLIED MATH AND COMPUTER ENGINEERING | GPA : 3.63/4.3

Kingston, Ontario

2016 - 2021

- Thesis project: Implementing Differential Privacy in a Generalized Least Squares Generative Adversarial Network (LkGAN)

Work Experience

Scotiabank

DATA SCIENTIST

Toronto, Ontario

May 2020 - Aug. 2020

- Implemented an improved data pipeline for Scotiabank's account takeover detection model using GCP's Dataflow, Apache Beam, and Java.
- Expanded functionality of the data science team's GCP Python client, reducing repetitive code in fraud analytics service by injecting the experiments via configuration files.
- Proposed a customer segmentation strategy to target at-risk consumers during the COVID-19 crisis with the goal of reducing customer credit risk, winning 2nd place in the Scotiabank internal hackathon.

Scotiabank

SOFTWARE DEVELOPER

Toronto, Ontario

May 2019 - Aug. 2019

- Developed Kafka clients to asynchronously handle Kafka data using Kotlin to ensure data integrity and alert on anomalies for 450 Kafka topics.
- Forecasted Kafka topic activity using statistical methods such as ARIMA time series modelling.
- Ensured code quality using development best practices, including version control, unit testing and code review.

L3 Wescam

ENGINEERING SUMMER STUDENT

Burlington, Ontario

May. 2018 - Aug. 2018

- Designed MATLAB scripts to remove sensitive customer information from XML files to ensure regulatory compliance.
- Created a testing suite for removal functions.

Community Leadership

Queens Artificial Intelligence Club (QMIND)

Kingston, Ontario

Mar. 2019 - Present

PROJECT MANAGER

- Leading a partnership with Loblaw Digital to use unsupervised clustering and NLP techniques in Python to classify 100,000 food products into meaningful product categories, to replace the company's current manually maintained product classification system.
- Led a team of students to create machine learning projects in Python with applications in commercial banking, including using a variety of supervised learning algorithms to identify customer's risk of churn (withdrawing from the company's services).
- Presented the results of the project at the Canadian Undergraduate Conference on AI, the largest undergraduate AI conference in Canada.

Queen's EngSoc Professional Development Team

Kingston, Ontario

Mar. 2018 - Mar. 2019

WORKSHOPS COORDINATOR

- Led a team of four engineering students organizing hour-long professional development workshops for students on topics such as networking, cover letters, interview prep, and graduate studies.

Project Experience

Live Transcription with Vim & Latex

Kingston, Ontario

Nov. 2019 - Present

QUEEN'S UNIVERSITY | □ GITHUB

- Designed a workflow using customized Vim snippets, popup menus and keyboard shortcuts to optimize note taking using LaTeX, allowing for live transcription of notes during lectures.
- Used Git and Github to back up and distribute lecture notes to students and faculty.
- Created a full set of lecture notes in LaTeX for two classes, where one set was posted on the official course website and another used the notes taken to create official lecture slides for the course.

Turnaround Time Tracker

Burlington, Ontario

Jul. 2018 - Aug. 2018

NEXANS CANADA | □ GITHUB

- Measured the turnaround time of how fast the sales team would respond to clients, improving sales team response times.
- Parsed email data using regex and datetime libraries in Python to measure the email request and response time.

Honors & Awards

2021 **1st Place**, Ontario Engineering Competition, Programming Challenge

Online

2020 **2nd Place**, Scotiabank Velocity Intern Hackathon

Toronto, Ontario

2020 **3rd Place**, Canadian Engineering Competition, Programming Challenge

Winnipeg, Manitoba

2020 **2nd Place**, Ontario Engineering Competition, Programming Challenge

Guelph, Ontario

2019 **Winner**, Scotiabank Velocity Program, Opportunity Chaser Award

Toronto, Ontario

Skills

Languages Python, Java, C, JavaScript, HTML, CSS, Kotlin, Bash, Matlab, LaTeX

Tools & Technologies Git, GCP, Dataflow, Beam, Django, Kafka, Matplotlib, Plotly, Pandas, Jira, Statsmodels

JOSHUA JOHN

📍 Ontario, Canada

📞 (647) 467-4610

✉️ joshua.john@ontariotechu.net

🌐 joshuajohn.io

linkedin.joshuajohn.io

EDUCATION

Bachelor of Engineering, Mechatronics (Honours)

Ontario Tech University

📅 Sep 2016 – Apr 2021

📍 Oshawa, Ontario, Canada

Bachelor of Computer Science, Software Engineering

Carleton University

📅 Sep 2015 – Apr 2016

📍 Ottawa, Ontario, Canada

EXPERIENCE

Software Developer

Bell Canada

📅 May 2018 – Present

📍 Toronto, Ontario, Canada

- Working within the Bell TVSRE team to **design automation and process improvements** programs that will be deployed in live production scenarios, while utilizing **SLDC, agile, and CI/CD methodology**.
- Provide **maintenance and ongoing support** for locally created software used in live production environments.

Live Support Technician, Intern

Bell Canada

📅 May 2017 – Sep 2017

📍 Toronto, Ontario, Canada

- Conducted weekly maintenance and created an application currently used for live production, to **automate the processing of scheduling files** for Bell's Paperview (PPV) channel.

Baseband Broadcast Technician, Intern

Bell Canada

📅 Jun 2016 – Sep 2016

📍 Toronto, Ontario, Canada

- Conducted weekly maintenance, **inventory, installation, and repair of live production equipment** within the Bell server rooms.

Department Head of Braking, Driver Controls, Safety

Ontario Tech Racing

📅 Oct 2016 – Sep 2017

📍 Toronto, Ontario, Canada

- Managed a group of 5 engineering students for the planning, design, and manufacturing of the **braking/safety system** for a electric motorsports vehicle.

Technical Director

Canadian Mar Thoma Church

📅 Mar 2012 – Present

📍 Stouffville, Ontario, Canada

- Create, mix, and produce content for **weekly Church services** and provide **technical support** at all Church related events.
- Conducts weekly **maintenance** on Church A/V equipment.

AWARDS & CERTIFICATIONS

2nd Place - HackUWeather

- Used the Google Maps and AccuWeather API to create a web application, displaying directions to a pre-defined destination with weather details along the route.
- Hackathon hosted by AccuWeather & TribalScale

Semi-Finalist - 2018 Connect2Car

- Proposed the idea of using a vehicle's built-in OBD port connected to a user's phone via bluetooth and have it communicate with other vehicle's within the vicinity to provide safety information
- Competition hosted by SAE as part of the 2018 Connected Vehicle Challenge

Advanced Operations UAV Pilot Certificate

- Issued by Transport Canada for permission to pilot Unmanned Aerial Vehicles under Canadian Aviation Regulations (CAR).

TECHNICAL SKILLS

Proficient At:

- Python, Docker, HTML5/CSS3, JS, OpenCV

Exposure To:

- Tensorflow, Git, Java, C, C++, MySQL/PostgreSQL, Kubernetes, CI/CD workflow, MATLAB

PROJECTS

Unmanned Aerial Vehicle for Fire Applications

Python, Bash, C++

- Currently in the process of designing an unmanned aerial vehicle for the final year capstone project that will be used for **simulated fire-fighting applications**.
- The UAV will use mounted infrared cameras for **SLAM mapping and object recognition** to alert first responders of survivors and dangerous objects.

COVID-19 3D-Printed Face Shields

Siemens NX10, G-Code

- Designed, edited, and 3D-printed **face shields** that were used by medical staff at hospitals and medical facilities across the Greater Toronto Area.
- Conducted daily maintenance on 3D printers (printing 24 hours, 7 days a week) to ensure top quality and maximum prints per week.

Smart Mirror

HTML5/CSS3, Bash, Python

- Created a smart mirror using a Raspberry Pi Zero W and a two-sided mirror.
- Displays the news (taken from multiple RSS feeds), weather, travel, and other information on a 15.6 inch personally designed user interface.



EXPERIENCE

Mobile developer Student

November 2020 – Present

Techup Coporation

- Worked on the Food Search app "explore feature" - to let users see and how far they can travel given a certain budget and discover new restaurant.
- Created a map and customized search toolbar to let users discover new travel locations by doing a search based on their preferences - this consisted of a map view, a toolkit, and customized drop-down UI views to display a wide variety of search options.
- Using the map kit framework to display a map with resulting locations in an attractive view. Creating a custom table view and navigation interface with expanding and drop-down cells to display various flight information to the user.

Mobile Development Bootcamp – Toronto, ON

June 2020 – Present

Bootcamp

- Developed Users can make a video where they can show their creativity by recordings the audio file present in the device. They can dance, share their expressions, and do more on the platform.
- Users may vote on other users' content. They may easily express their opinion on content with this app.



EDUCATION

Bachelor of Commerce Honours – Statistics

January 2014 – May 2019

University of Manitoba



CERTIFICATION

- How Google does Machine Learning
- Introduction to Artificial Intelligence
- Launching into Machine Learning
- Essential Math for Machine Learning
- Professional Machine Learning Engineer Google Cloud (in progress)



SOFT SKILLS

- Able to act as a go-between for business operations and software developers

Kim Kim Ly

+1 204 396 3273

Kim.ly2704@gmail.com

Toronto, ON

Kim Kim Ly

Selenalee

ABOUT

Experience building React Native app such as TikTok , E-commerce app and Food Search Application

PROGRAMMING LANGUAGES

- Python
- React JS, React Native
- Java Script
- SQL

TOOLS/FRAMEWORKS

- Tensorflow
- Keras
- Deep Learning
- AWS
- PyTorch
- Natural Language Process
- Jira
- Github/ Git
- Google Cloud Platform
- Time Series

GIT HUB PROJECTS

- E-commerce App
- Social Media app using React Native
- House Prediction using TensorFlow
- Chatbot using Natural Language
- AirBnB Clone using react native

Skills

- Data analytics experience from coursework and summer employment positions.
- Organizational and communication skills developed through university student council and volunteer experience.
- Proficient in the use of SAS, R, Python, Java, and Excel. Familiar with SQL.

Education and Training

Queen's University – Kingston, Ontario

Sept 2016 to Present

Fourth-year Bachelor of Science, Honours majoring in Mathematics. To graduate in Spring 2021.

Notable courses and topics: Computer Science, Computational Data Analysis, SAS Statistical Programming, Advanced Statistical Inference and Methods, Actuarial Science, Financial and Managerial Accounting, Operations Research Models, Advanced Calculus, Linear Algebra, Group and Number Theory.

Cumulative GPA: 4.01 using 4.3 GPA grading scale

Work and Volunteer Experience

| | | | |
|---------------------------------------------------------|---------------------------|------------------------------------------------------------------------------------------------|----------------------|
| Teaching Assistant – Queen's University | Fall 2020 | Mathematics and Statistics Department Student Council President – Queen's University | Sept 2017 to Present |
| Actuarial science course with 130 upper-year students. | | | |
| Research Assistant – RabbitMath | Summer 2020 | Queen's Data Analytics Association, Marketing Coordinator – Queen's University | Apr 2020 to Present |
| Secondary school curriculum development project. | | | |
| Data and Research Analyst – Statistics Canada | Summer 2019 | Vogue Charity Fashion Show, Model – Queen's University | Aug 2020 to Present |
| | | | |
| Data and Research Analyst – Health Canada | Summer 2017 & Summer 2018 | Brand Ambassador – Campus Equipment Outfitters, Queen's University | Apr 2019 to Present |
| | | | |
| | | CUMC 2019 Queen's Committee – Queen's University | Feb 2018 to Aug 2019 |
| | | | |
| | | Queen's Scientista, Marketing and Public Relations Chair – Queen's University | Apr 2018 to Apr 2019 |
| | | | |

Accomplishments and Awards

- One of sixteen students to receive the Queen's University **Appeal Undergraduate Scholarship** in 2019 for high academic standing.
- Placed on the Queen's University **Dean's Honour List with Distinction** for academic achievement (GPA in top 3% of all students within Arts or Sciences) for the 2018/2019 academic year.
- Placed on the Queen's University **Dean's Honour List** (>3.5 GPA) for the 2019/20, 2017/18 and 2016/17 academic years.

Léo Tronchon

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EDUCATION

McGill University – Faculty of Arts, Montreal, Canada 2016 – Dec 2020
Bachelor of Arts, Honours Economics and Major Computer Science. CGPA: 3.65

Carcouët High School, Nantes, France 2013 - 2016
Scientific French Baccalaureate, obtained with highest honors (17/20), European mention.

WORK EXPERIENCE

Insula Investment Management, London, United Kingdom July 2019

Econometrics Intern

- Start-up hedge fund launched on algorithmic trading and portfolio management on the crypto-currency market.
- Created pricing models for cryptocurrencies, using various data sources and techniques such as ARIMA models.

Planned, Montreal, Canada May-June 2019

Data Management Intern

- Event-planning startup using a fully automated, Airbnb-like platform to book venues for events.
- Participated in the organization of the supply chain data for the new website and migrated the old website's data.
- Collected data from potential suppliers in the American market to facilitate the work of the sales team.

LEADERSHIP AND EXTRACURRICULAR

Intelligent System Lab, Montreal, Canada Sept 2020 – Dec 2020

Member of the Intelligent System Lab, under Professor Joseph Vybiral's supervision

- Research project on computer vision. Use of Variational Auto-Encoders with CNNs for data augmentation.

AI in robotics Seminar Montreal, Canada May 2020 – Aug 2020

Intelligent System Lab Coding Seminar in Java led by Professor Joseph Vybiral. Grade: A

- Designed a simulated environment for a robot, a neural network with modular layers/neurons from scratch, a knowledge base, an expert system and a meta layer. Integrated those multiple components to make the simulated robot think and move by itself.

Bank of Canada Governor's Challenge, Montreal, Canada Sept 2019 – Feb 2020

Member of the team representing McGill University for the 2019-2020 competition of the Central Bank

- Designed multivariate, multi-step LSTM models, as well as VARX and ADL models to predict trends in the Canadian economy.
- Made a qualitative and quantitative analysis of the Canadian, US and World economy.
- Presented a monetary policy recommendation to the governor and senior central bank officials with a Q&A session afterwards.

Blockchain at McGill, Montreal, Canada Sept 2018 - May 2019

Sponsorship Coordinator and Research Analyst

- Participated in research projects aiming at creating educational content concerning the blockchain and cryptocurrency industry.
- Created sponsorship packages content, contacted potential sponsors

McMUN and SSUNS, Montreal, Canada Dec 2017, Jan 2018 and Dec 2019

Crisis Staffer and then Assistant Crisis Director for UN simulations

- Helped run committees through creative input and cross communication between committees.
- Gathered information from debates and staffers to create interesting events and keep the simulation consistent and stimulating

SKILLS AND ACHIEVEMENTS

Languages: Fluent in French and English, level B2 in Spanish

Computer Languages: Python, Java, C, SQL, Bash, OCAML

Other Skills: git, Pandas, Numpy, nltk, ScikitLearn, Pytorch, SpaCy, Tensorflow, Keras

Winner of the 'Super Resolution' Challenge of the Montreal Climate Crisis AI Hackathon January 2021

Ranked 2nd in the final round of the 2019-20 edition of The Governor's Challenge February 2020

Ranked 1st in the ESS McGill and Concordia Economics Case Competition November 2018



**Mariam
Jabara**

APPLIED RESEARCHER &
SOFTWARE DEVELOPER



Phone Number

+1(613)-883-7980

Website

<https://www.linkedin.com/in/m-jabara/>

Email Address

mjabra020@uottawa.ca

SKILLS

| | |
|---------------|-------------|
| Python | Java |
| 3 years | 2.5 years |

| | |
|-------------------------|------------|
| Applied Research | Git |
| 2 years | 3 years |

| | |
|-------------------|-----------------------------|
| JavaScript | Software Development |
|-------------------|-----------------------------|

| | |
|------------------------|--------------|
| Software Design | ExtJS |
|------------------------|--------------|

| | |
|-----------------|---------------------------------------|
| Firebase | Data Structures and Algorithms |
|-----------------|---------------------------------------|

| | |
|----------------------------------------|-------------------------|
| Software Development Life Cycle | Microsoft Office |
|----------------------------------------|-------------------------|

Digital Signal Processing

AWARDS

Christian and Christine Detellier Scholarship in Science
University of Ottawa

Merit Scholarship
University of Ottawa

Dean's Honour List Recipient
University of Ottawa

Globalink Research Award
Mitacs

Admission Scholarship
University of Ottawa

LANGUAGES

| | |
|----------------|---------------|
| English | Arabic |
|----------------|---------------|

| | |
|--------|--------|
| Native | Fluent |
|--------|--------|

| | |
|---------------|--|
| French | |
|---------------|--|

Intermediate

EDUCATION

University of Ottawa

Honours Bachelor of Science in Biomedical Science with Minor in Computer Science

(September 2015 - April 2021)

GPA: 9.06/10

University of Toronto

(Incoming) Masters of Science in Applied Computing

(September 2021 - December 2022)

WORK & RESEARCH EXPERIENCE

Morgan Stanley

Full Stack Developer Intern

(June 2020 - August 2020)

Worked on one of the firm's various internal Risk Management web applications based in Java and ExtJS/JavaScript

- Developed source code for new features to improve user experience by up to 50% by reducing the number of clicks required to complete basic UI tasks
- Improved existing features related to exporting data, and drastically improved efficiency of exports by up to 98% by moving data export functionality from the front-end to the back-end

Deloitte

Solution Associate Intern

(January 2020 - April 2020)

Lead the final milestone of Integrated Systems and Data Migration testing for a large-scale grocery store e-commerce platform.

- Trained new resources on the testing team, assigned daily tasks and provided guidance on improving daily testing progress.
- Executed test cases, logged defects, and liaised with the client to ensure timely completion of the required tests.
- Completed milestone testing 25% ahead of schedule

University of Ottawa / Carleton University Joint Signals Processing Lab

(August 2019 - April 2020)

Undergraduate Researcher

Developed a contactless, efficient research tool using Python and the Tkinter library to detect heart rate remotely using only video input.

- Provided significant improvements from the lab's previous tool, taking down video processing and heart rate detection time from several minutes to under 30 seconds.
- Introduced a new functionality which allows users to alter key parameters related to the back-end signal processing algorithm

Indigenous Services Canada

Programmer, Application Development

(May 2019 - Present)

Currently supporting the deployment of new Self-Service Data Analytics tools to over 2000+ users.

- Kick-started the transition to a more agile approach to project management within the team by partnering with an Agile coach and collecting data around pain points in order to improve productivity
- Leading the redesign of our website, training programs, and client outreach strategy

Ruhr University Institut für Neuroinformatik

(May 2018 - August 2018)

Undergraduate Researcher

Using Python, OpenCV and Matlab, I contributed to the addition of a new module into a pre-existing computational model of key regions in the human brain involved in recognition memory.

- Leveraged my software development, coding, debugging, and integration testing skills to add new capabilities to the model such as the ability to run real-life lab experiments on our model.
- Generated a new data-set for testing using OpenCV's computer vision library to create expand on a smaller data-set of human faces by creating "morphed" variants of the faces. Morphed variants were then used to test the recognition ability of our algorithmic model.

PROJECTS

Computer Vision Based Object Detector

(February 2019 - January 2021)

Using Python and OpenCV, our team developed a computer vision-based object detector. Designed to be used to count persons entering the uOttawa gyms, it can collect & display the statistics on a web-based application for approx. 40,000 students to view, allowing users to determine the best time to visit the gym.

Latent Semantic Analysis of Job Reviews

(October 2018 - January 2021)

Using Python and the Natural Language Toolkit (NLTK), our team developed a natural language processing program that performs sentiment classification, semantic analysis and visualization on textual data. Used to analyze 2000 employee job reviews of a company for the challenge

REFERENCES

Martin Bouchard

Professor

bouchm@uottawa.ca

Dr. Rafik Goubran

Ph.D., P.Eng., FIEEE,

FCAE Vice President

(Research and

International) &

Chancellor's Professor

goubran@sce.carleton.ca

Martin Ethier

 ethiermartin

 methier@uwaterloo.ca

 MartinEthier

 705-303-8890

TECHNICAL SKILLS

- **Programming Languages:** Python, C++, C, JavaScript, LaTeX, PHP, MATLAB
- **Libraries:** PyTorch, Scikit-Learn, OpenCV, TensorFlow, Numpy, Pandas, SciPy, VTK, ROS, wxPython, Three.js, jQuery
- **Tools:** Git, Linux, CARLA, Docker, Bash, Jira

EXPERIENCE

Huawei Technologies Canada

Autonomous Vehicle Perception Research Intern

Toronto, ON

Jan 2020 - Apr 2020, Sep 2020 - Dec 2020

- Implemented various components of LiDAR object detection deep learning models with both PyTorch and TensorFlow
- Built a tool to visualize 3D object detection predictions on the KITTI dataset using Python with Numpy and VTK
- Lead the development of a LiDAR semantic segmentation labeling web app that uses JavaScript with Three.js

P&P Optica

Industrial Imaging Software Development Intern

Waterloo, ON

May 2019 - Aug 2019

- Trained SVMs and CNNs to classify freshness in vegetables from hyperspectral image data using Scikit-Learn and TensorFlow
- Created hyperspectral data clustering visualization tools with PCA, k-means, and DBSCAN using Scikit-Learn
- Reduced data labeling time by 40% by creating an automatic ROI masking tool using spectral filtering and OpenCV

Communications Research Centre

Machine Learning Research Intern

Kanata, ON

Sep 2018 – Dec 2018

- Trained MLPs and random forests for spatial interpolation of cellular signal strength data using TensorFlow and Scikit-Learn
- Implemented cellular signal strength data visualization tools with wxPython and the Google Maps Static API

STUDENT TEAMS

WATonomous

Perception Group Core Member

Waterloo, ON

Sep 2019 - Present

- Created a synthetic lane detection dataset using the CARLA simulator for a zero-shot sim2real domain transfer project
- Trained and evaluated various CNN architectures to perform lane detection using TensorFlow and PyTorch
- Wrote lane segmentation post-processing code to cluster output masks using DBSCAN and fit cubic splines to each cluster

UW Robotics Team

Computer Vision Lead

Waterloo, ON

Jan 2019 – Aug 2019

- Lead a team of students to develop autonomous robotics perception software using C++ with ROS and OpenCV
- Generated a synthetic traffic sign dataset using Python and trained a Haar Cascade classifier with OpenCV to detect the signs
- Created an algorithm to reliably classify arrow direction on traffic signs using Canny edge detection and contour features

PROJECTS

End-to-End Path Planning Model

Personal Project

- Implemented and trained an end-to-end path planning neural network using PyTorch on the comma2k19 dataset
- Generated future path labels using a Kalman filter and rebalanced the dataset with a custom path curvature metric
- Designed a neural network using ResNets and LSTMs to predict a path given a sequence of images to a test MAE of 0.2 meters

Synviz (Winner)

UofTHacks VII

- Developed the video processing code for a smart glasses IoT device that helps impaired people in conversations by lip reading
- Implemented a Haar cascade in OpenCV to extract an ROI of the person's lips in the video feed
- Wrote an API to allow the Flask server to call a pre-trained TensorFlow lip reading neural network on the image sequence

Agilite

DeltaHacks V

- Designed OpenCV code to extract handwritten text from an image of multiple Post-it notes on an agile board
- Implemented a CNN-RNN neural network in TensorFlow to convert the extracted handwriting to text

EDUCATION

University of Waterloo

Waterloo, ON

BASc in Mechatronics Engineering with Artificial Intelligence Option, GPA: 3.9/4.0

Sep 2016 - Apr 2022

External Coursework: Deep Learning Specialization (Coursera), Machine Learning Crash Course (Google), Introduction to Self-Driving Cars (Coursera), Artificial Intelligence for Robotics (Udacity)

Matthieu Roux

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Website : <http://matthieuroux.me/>
LinkedIn : [Matthieu Roux](#)
GitHub : [M4TTRX](#)

Professional Experience

ecobee, Server Developer Coop

May 2019 – June 2020

- Developed ecobee Haven and part of the ecobee smartCamera backend, which launched in 2020.
- Maintained and developed a scalable, event driven backend that powered more than 1.5 million thermostats.
- Initiated the development of a new internal tool that led to vast debugging speed improvements across the company.
- Redesigned and rewrote most of the team's testing frameworks in order to improve robustness and reliability of the team's services.

LafargeHolcim, Java Web Developer Intern

May 2018 – July 2018

- Learned how to build two web apps using MVC, Spring Boot, JPA, Hibernate and MySQL.
- Led the design of one on the app from the UX phase to the front-end and backend implementations.

LafargeHolcim, Website Development Intern

June 2017 - July 2017

- Coordinated the creation of the Allmix division website which can be found at: <http://allmixconcrete.ca/>

Experience Intern, LMA Communication

April 2017 – May 2017

- Administered and developed existing WordPress websites.

Education

Bachelor of Applied Science, Computer Engineering, Queen's University, Kingston, ON

September 2016 - April 2021

- GPA of 3.52
- Dean's List in my Third Year
- Obtained the Principal Scholarship for my first and second year

Skills

- Bilingual in French and English
- Professional experience in Go, Python and Java.
- Also worked on C, C++, Flutter, HTML, CSS and JavaScript/TypeScript.
- Used a wide variety of GCP (PubSub, Datastore, CloudSQL, Cloud Engine) and AWS.
- Deep understanding of lean development and software pipeline integrations.

Extras

inQubate, Team Member

August 2020 - April 2021

- inQubate is a subset of Queen's student run AI team (QMIND), with an emphasis on entrepreneurship.

QWeb, Director of Design

September 2020 - April 2021

- Designed numerous websites for our design teams to make
- Instructed teams the fundamentals of making comprehensible UX and elegant UIs.

Graphic Designer, Engineering Society Communication Team

September 2017 - April 2018

- Designed content for students in need including logos, graphics, tags, PowerPoint slides and more.
- Refined my skills on Adobe Creative Suite



MICHAL ROZTOCKI

Biomedical/Electrical Engineering Grad, EIT

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647-525-2507

Mississauga, Canada

roztockm

MichalRoztocki

CORE SKILLS

Machine Learning Deep Learning

Data Analysis Data Wrangling

Data Mining Data Visualization

Systems Design Medical Imaging

Signal Processing Troubleshooting

Leadership Communication

Project Management

PROGRAMMING LANGUAGES

Python Matlab SQL Java

C HTML

TOOLS

Numpy Pandas Scikit-learn

TensorFlow Keras Matplotlib

GitHub Jupyter MS Office

PSpice KiCad Autodesk Inventor

Microcontrollers Circuits PCB's

Soldering Oscilloscopes

PROFESSIONAL DEVELOPMENT

Deep Learning Specialization – Coursera (3/5 courses completed): Neural Networks, Hyperparameter Optimization, Structuring ML Projects

Python for Everybody Specialization – Coursera (3/5 courses completed): Python Basics, Data Structures, Accessing Web Data

ABOUT ME

Biomedical and Electrical Engineering graduate skilled in machine learning, biomedical signal processing, and data analysis. 3 years of research and design experience, 6 months experience in machine learning. Passionate about the application of AI in the medical field.

EXPERIENCE

Systems and Instrumentation Designer

Medical Engineering Design Team



2019 – 2020



Hamilton, ON, CA

- Prototyped a Cardiac Function Simulator based on clinical images in collaboration with Motamed Labs
- Researched and designed actuating and pump elements of the control system with form factor constraints

Chair and Co-Founder

IEEE EMBS McMaster Chapter



2017 – 2018



Hamilton, ON, CA

- Coordinated daily administrative activities while recruiting and training 11 new EMBS chapter members
- Planned and led events, including industry nights, medical talks, and MRI lab tours with other club

EDUCATION

Bachelor of Engineering, Biomedical and Electrical Engineering

McMaster University



2015 – 2020

Hamilton, ON, CA

PROJECTS

Deep Learning Framework



2021

- Developed a basic deep learning framework from scratch, and used it to perform data analysis on several large datasets
- Relevant skills: Deep learning, Object-oriented Programming, Data Analysis and Visualization, Troubleshooting, Documentation

Sleep Tracker Capstone (Team)



2019 – 2020

- Designed a sleep monitoring headband that identifies and tracks sleep cycles using EEG data
- Relevant skills: Bioinstrumentation, Signal Processing, Systems Design

Mammography Fractal and Wavelet Analysis (Team)



2018

- Compiled database of mammography images, with benign and malignant tumour samples, with the aim of testing classification ability of different image processing techniques. Implemented fractal and wavelet analysis on database and assessed performance using statistical tests
- Relevant skills: Research, Communication, Statistical and Image Analysis, Biological Modelling



MICHELLE HO

INFO

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Phone

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Email

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TECHNOLOGIES

C#, CSS, HTML, Python, Perl,
Unix, Java, JavaScript, jQuery,
SQL

LANGUAGES

English—Fluent

French—Intermédiaire

Spanish—Básico

INTERESTS

Hackathons

She Hacks (Jan 2020)

3rd place Best Health Hack

Conferences

Harold Stewart Research Day

Research Poster Presentation

Other

Baking, Hiking, Playing the piano



RELEVANT EXPERIENCE

Technology Analyst

Global Banking and Markets

Scotiabank, Toronto, ON

- Developed web applications to increase the efficiency of support for revenue-generating streams of the bank. Programs are full stack, with C# in the backend and HTML, CSS, and JavaScript on the frontend.
- Created and implemented a user interface for a tool that improves the scheduling of automated tasks, with attention to ease of use and future-proofing. The program queries and maintains a SQL server database and is customizable through a json config file.
- Constructed an interface to allow easy comparison of users coming into and leaving the bank. Data is consumed through numerous AJAX calls and the program can be configured to automatically check and email results to any given user.

May 2020 – Present

Thesis Student

Department of Biochemistry

Western University, London, ON

- Developed a pipeline using Perl for creating machine learning models to predict patient response to anticancer therapeutics, which increased model generation efficiency by 70%
- Designed data visualization strategies to uncover trends in the data and to present findings in a user-friendly manner using JavaScript libraries
- Presented findings of study at the Harold Stewart Research Day conference

Sept. 2019 – April 2020

Research Assistant

May 2019 – Aug. 2019

Department of Molecular Genetics and Computer Science

University of Toronto, Toronto, ON

- Developed a Python script to automate extraction of protein data from the Protein Data Bank given a chain and sequence of interest to design antibodies using machine learning, which reduced time for data collection by a factor of 300:1
- Engineered a volumetric mesh that encompasses the conformational space for a given antibody loop to increase the efficiency of the de novo antibody design



EDUCATION

Bachelor of Medical Sciences (Hons)

Expected graduation: May 2021

Honors Specialization in Biochemistry and Cancer Biology

Major in Computer Science

Western University, London, ON

Clubs: Organ Advocacy Initiative, *Editor*; Stem Cell Club, *President*; Universities Allied for Essential Medicines, *Global Health Committee Director*, Western Artificial Intelligence

NAJID OTHO

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Najid.otho@mail.mcgill.ca · [LinkedIn](#)

EDUCATION

MAY 2016 – DEC 2020

BACHELOR OF ENGINEERING, ELECTRICAL ENGINEERING

MCGILL UNIVERSITY, MONTREAL, QUEBEC

Completed Courses: Electric circuits, Digital logic & design, Signals & systems, Data structures & algorithms, Computer organization, Design principles & methods, Communication systems, Digital electronics, Fundamentals of Power, Linear systems & control, Numerical methods, Computer vision, Telecommunication networks, applied Machine learning, Fault-tolerant systems, Circuit simulation & modeling.

TECHNICAL & PERSONAL SKILLS

- Programming languages: Java, Python, C, C++ ARM Assembly, VHDL, MATLAB, PSPICE, Wireshark.
- Keen interest in working on emerging technologies in the fields of communication, cyber security, data science.
- Proficient computer knowledge and skills, Microsoft Office (Word, Excel, PowerPoint, MS Access).
- Circuit design on LabVIEW and breadboards. Circuit modeling on MATLAB for simulating and testing circuit properties.
- Good knowledge of Electrical Motors and Power Engineering (Transformers, Cables, Wire, Switches) and firsthand experience with synchronous motors and generators.
- Strong sense of deadlines and responsibilities. Critical thinking, problem solving, self-starting attitude, desire to see through a project from start to finish.
- Experience in documentation and data analysis seasoned over various courses.

PROJECTS AND ACTIVITIES

1. McGill RoboElectronics team leader January 2018 – April 2018
Designed and co-wrote code for a motion sensor-based robot to navigate through a complex pathway that reached the final stage of the competition.
2. Designed and implemented a music synthesizer on an Altera DE1-SoC FPGA board using ARM Cortex A-9 and C which took input from a keyboard to display multiple sound waves through VGA.
3. Programmed a fully playable version of a space invader game in VHDL.
4. Worked in a team of 5 as the hardware lead to design a small autonomous robot using LEGO parts with a composite grip mechanism used to pick up, transport, and drop-off rings across a bridgeway.
5. Built a facial recognition software using machine learning principles to identify people in new images from data of other images. Used several different types of image synthesis in a boosting pretense to code the software for high accuracy results.

Ottawa, Canada
613-400-5958
Citizenship: Canadian

RAED FAYAD

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[linkedin.com/in/raedfayad](https://www.linkedin.com/in/raedfayad)
github.com/raedfayad

EDUCATION

QUEEN'S UNIVERSITY -- Kingston, ON

Fourth Year B.A.S. in Computer Engineering, Innovation Stream 2017 to April 2022– Cumulative Queen's GPA: **3.95**
Dean's Honor List Student in 2017, 2018, and 2019.

Relevant Coursework: Currently enrolled in PWK by Offensive Security – Penetration Testing with Kali Linux.
Completed: Machine Learning, Data Structures, Algorithms, Networks, Operating Systems, Computer Architecture, Databases.

EXPERIENCE

DEFENCE RESEARCH AND DEVELOPMENT CANADA (DRDC) -- Ottawa, ON

AI & Cybersecurity Engineering Intern, June 2020 to May 2021

- Developed an AI-based cybersecurity environment for research, following the **OpenAI Gym** framework.
- Researched **OpenFlow** protocols and implemented SDNs in the environment using Mininet and ONOS.
- Studied **MITRE ATT&CK** frameworks for the development of threat models and methodologies.

TREND MICRO -- Ottawa, ON

Systems Developer Intern, May 2019 to September 2019

- Built innovative and sustainable solutions that solved our client's cybersecurity problems.
- Designed high-quality software for data center and cloud-based systems using **C++**.
- Created an automated pipeline in **Groovy** using **Jenkins** that reduced a 4-week long process to 8 hours.
- Worked on a dynamic team that protected client endpoints through the use of an agent that implemented Application Control, Intrusion Prevention, and Log Inspection mechanisms.

FACULTY OF ENGINEERING AND APPLIED SCIENCE – Kingston, ON

Project Manager and Teaching Assistant, September 2019 to Present

- Oversaw three groups of first-year, undergraduate engineering students, who designed and prototyped a variety of innovative solutions for real-world problems. This included providing design feedback, help with fulfilling the client's demands, and providing feedback on their formal written communications.

BETALABS -- Kingston, ON

iOS Developer, May 2018 to September 2019

- Designed, tested, and published mobile applications in **Swift** while working in a multidisciplinary team.
- Understood client requirements and how they translate to new application features.

QUEEN'S UNIVERSITY AND THE CITY OF OTTAWA – Kingston/Ottawa, ON

Swimming Instructor and Lifeguard, March 2017 to Present

- Ensured the safety of pool patrons and worked in a team to provide life-sustaining treatment.
- Coordinated instructional sessions to teach swimming strokes and water skills.

SOFTWARE LANGUAGES

Fluent in C++, C, and Python. Proficient in Bash, Java, Lua, Swift, and Groovy. Beginner in HTML and PHP. Utilized AWS cloud services, Docker, Postman, Jenkins, and VxRail.

HONORS & AWARDS

WINNER OF THE MAYOR'S INNOVATION CHALLENGE -- Kingston, ON, Jan. 2019

- Participated at QHacks 2019 where our solution, K-Connect, was entered into the innovation challenge which we later won along with entrance into QICSI 2019, a start-up accelerator.
- Created and integrated the database used to store the collected data from the system's users.



Ryan Bryce Ong

Immersive Explorer

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<https://www.linkedin.com/in/ryan-ong>

<https://github.com/rayneong>

<https://rayneong.github.io/>

PROJECTS

| | | | | | |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 2019 | React Calender for Nonprofit Web App ReactJS · Replate Learned ReactJS and integration with Ruby, in a time-pressure environment • Built and integrated calendar for nonprofit service web app • Won 2nd Place at the Hack 4 Social Impact Summit hackathon | | 2018 | Cellular Automaton with Quantum Computing pyQuil · Rigetti Converted Conway's Game of Life into quantum machine language, specifying specific qubits and entanglement operations • Crash-coursed through the concepts behind qubits and quirks behind Rigetti's quantum processors, qubits could only directly interact with neighboring qubits • Accomplished within Rigetti's 1-day Quantum Hackathon | |
| 2019 | Retinal Photoreceptor Mapping C++ · UC Berkeley Helped research, design, develop, and evaluate alternative approaches to quickly track photoreceptor cones • The goal of this project is to prototype next-generation color display technology and probe the limits of human vision. The technology is based on a new concept of creating visual percepts by laser stimulation of individual retinal photoreceptors. In principle, the system has the potential to display new colors impossible in the real world, or enable a color blind person to differentiate red and green for the first time. | | 2018 | Colorblind Assistance System Figma, Java · UC Berkeley Experience Design: Storyboarded and designed app wireframe prototypes in Figma, emphasizing distinct shapes/movement over color • System Architecture: Evaluated backend system with programmer. Suffered through a lot of offline ideas that didn't work, but eventually realized and successfully demonstrated that we could use Google's Cloud Vision API! • Dubbed 'DrColor', I helped design and plan an application that detects and labels colors of different objects using a smartphone's camera | |
| 2019 | iPhone App for Vision Correcting Displays Swift · UC Berkeley Learned about vision science and computer graphic concepts behind developing displays that accommodate for myopia and various higher-order aberrations • Created iPhone app in Xcode that outputs computed images from the current VCD codebase • Coordinated with researcher to use exact image resolutions, so that the image correctly goes through the included pinhole display | | | | |
| 2018 | Perceptron Branch Predictors C++ · UC Berkeley Developed C++ Perceptron-based Neural Nets and Scaling Perceptron Neural Nets and ran simulations • Designed Branch Predictor Implementations for Processors in Computer Architecture, according to CBP-2 (Championship Branch Prediction) specifications • Branch Predictors are critical in speeding up processor execution times, as correct predictions prevent stalls and wasted calculations. Neural networks can potentially improve the efficiency and accuracy of such predictions by utilizing previous instructions and results. | | Now | Advanced Animation & UCBUGG Instructor, Reader · UC Berkeley Provide course lectures, materials, grading, and strategical advice • I specialize in story creation, R&D technology, and sound design • Requires knowledge/familiarity of the full animation pipeline • Students are prepared for the professional path, with weekly guest lectures from the industry. | |
| | | | Now | RTWKIDS Public Speaking Co-Founder · Arcadia, CA Strategical advisor for startup with over 100+ yearly clients • From a young age, worked as backstage technical manager for theatrical stage productions • Mentored 7 award-winning K-12 teams to prepare for a problem-solving improvisational competition | |
| | | | 2019 | ATLAS Research Undergraduate Research Assistant · FHL Vive Center for Enhanced Reality Created and connected PyQt UI elements for front-end development • Applied computer graphics concepts (mathematical matrix transformations) to implement functions for manipulating and cropping point clouds. | |
| | | | 2018 | Software Engineering (Robotics) Intern · Jet Propulsion Laboratory Improved potential efficiency by researching and testing applications of physics simulations, read research papers and searched for optimum configuration • Assisted in optimizing multi-agent path planning software. • Created C++ Unit Tests. | |

DEGREES

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|-----|------------------------------------------------|--|------|---------------------------------------------------------|--|
| Now | EECS Master of Science · UC Berkeley | | 2015 | Computer Science BA · UC Berkeley GPA: 3.5 | |
| | | | | | |

SCOTT GINGRICH

scott.gingrich@queensu.ca | <https://ca.linkedin.com/in/scott-gingrich>

EDUCATION

| | |
|-------------------------------------------------------------------------------------------------------------------|-------------|
| Bachelor of Commerce, Smith School of Business, Queen's University, ON, Canada | 2020 |
| • D.I. McLeod Dean's List Scholarship for achieving Dean's Honour List standing (2017-2020) | |
| • Principal's Scholarship for entrance average of 95%+ | |
| • Chancellor's Scholarship Nomination for Academic Ability, Creative Thinking, and Leadership | |
| • Case Competition Finalist: Queen's Self Evaluative Learning Forum (2016), Queen's Consulting for a Cause (2020) | |

PROFESSIONAL EXPERIENCE

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|------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| Co-Founder, Promovere, ON, Canada | 2020 – Present |
| • Directed all sales and outreach activities, generating interest from 5 companies in a pilot program in less than 3 months | |
| • Created unique branding and sales strategy to accelerate brand awareness and differentiate company from competitors | |
| • Successfully placed as Top 3 Finalist in 2 prominent pitch competitions (League of Innovators & Queen's Innovation Centre) | |

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|--------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| Teaching Assistant, Queen's University, ON, Canada | 2020 – Present |
| • Developed supportive online learning environment through regular and ongoing contact with students | |
| • Graded assignments and exams according to instructor guidelines, providing prompt and detailed feedback to each student | |
| • Facilitated course discussion forum to establish a safe, respectful, constructive, and inclusive online learning environment | |

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|--------------------------------------------------------------------------------------------------------------------|--------------------|
| Marketing Manager, Connectiv8, ON, Canada | 2018 – 2019 |
| • Spearheaded promotional campaign that improved brand awareness and generated 3 new clients | |
| • Accelerated brand growth by creating and executing social media strategy featuring relevant and engaging content | |
| • Guided weekly team meetings to plan, coordinate, and execute all marketing activities | |

| | |
|---------------------------------------------------------------------------------------------------------------|--------------------|
| Salesperson and Photographer, Pacific Surf School, BC, Canada | 2017 – 2018 |
| • Photographed daily surf lessons in addition to professional headshots and merchandise photos | |
| • Leveraged extensive knowledge with Adobe Photography Suite to process, edit, and export 500+ photos per day | |
| • Exhibited exceptional sales and photographic skills, selling over \$7000 in photos | |

EXTRACURRICULAR EXPERIENCE

| | |
|-----------------------------------------------------------------------------------------------------------------------------|--------------------|
| Group Leader, English Conversation Circle, ON, Canada | 2014 – 2016 |
| • Directed group of Canadian and refugee students ages 8-18 for three hours every week of academic year | |
| • Assisted refugee students with English skills, schoolwork, and adjusting to life in Canada through one-on-one interaction | |
| • Spearheaded promotional campaign to grow club from less than 30 to over 60 students during tenure as leader | |
| • Managed all aspects of club, including coordination of transportation, budgeting, and training of new members | |
| • Facilitated school-wide fundraising effort, raising \$1000+ for newly arriving Syrian refugees in Southeastern Ontario | |

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|---------------------------------------------------------------------------------------------------------------------|--------------------|
| Founder and Co-Leader, Hillfield Strathallan College Photography Club, ON, Canada | 2015 – 2016 |
| • Educated students on technical aspects of photography using a personalized, comprehensive approach | |
| • Prepared weekly interactive lesson plans designed to accommodate all learning styles and provide a fun experience | |
| • Attained member base two times larger than original number over duration of academic year | |

ADDITIONAL INFORMATION

- Achieved the Bronze, Silver, and Gold standards of the Duke of Edinburgh's Award
 - Recipient: Max and Stella Rotman Humanitarian Youth Award for volunteer work in the Hamilton community
 - Recipient: Top 10 Award in the ViewBug Global Photography Competition (Nature Category)
 - Proficient with Adobe Photography Suite (Photoshop, Lightroom) and Microsoft Office Suite (Word, PowerPoint, Excel)
-

Spencer Dale

(647) 746-7340

spencerdale05@gmail.com

Canada & US

EDUCATION

Dual Degree, Western University & Ivey Business School

Mechatronic Systems Eng. & Ivey HBA, 3.9 GPA | '16 - '21

- HBA '74 Scholarship, 4x Dean's List

SKILLS

Languages | Python, MATLAB, C/C++

Tools | Excel, Jupyter, GitLab, SolidWorks

Other | Project management, Writing

WORK EXPERIENCE

University of Toronto | Project Manager

HowsMyFlattening.ca: 50k+ users, 20+ near real-time KPIs, 18 open-source datasets

Remote | Summer '20

- Managed a team of 8 volunteer data scientists, epidemiologists, and software engineers in the development of a near real-time, open-science platform for COVID-19 data and analytics in Ontario.
- Developed a new business strategy in response to conflicting priorities and diminishing productivity within our team; helped to clarify goals for the next 8 months and solidify financial requirements.
- Enhanced the facilitation of weekly team meetings by leveraging Harvard University's evidence-backed, goal-oriented agenda framework; increased cross-functional collaboration and meeting efficiency.
- Organized priorities during daily web development stand-ups based on GitLab release schedules, user feedback, and the state of the pandemic; led to more informed and timely website improvements.

RBC Capital Markets | AI Engineer Intern

Toronto, ON | Summer '18 & '19

Global Algorithmic Trading Group

- Developed a modular actor-critic Reinforcement Learning program in Python to parallelize neural network training on GPU; helped to decrease training time and improve model generalizability.
- Analyzed live performance metrics to diagnose issues during training and leveraged open-source documentation to identify, implement, and validate solutions against predetermined benchmarks; allowed for rapid increases in model effectiveness.

LEADERSHIP EXPERIENCE

Western AI | Founder & President

London, ON | Mar. '19 - p.

17th largest out of 200+ clubs at Western in 1st year

- Leading a 9-person Executive team to exponentiate undergraduate engagement in AI education and application; developed a clear strategic plan based on principles of the Learn Startup methodology.
- Designed, planned, and oversaw an 8-week project-based AI crash course to supplement the forgone internships of 86 students; gained experience in executing a large part of the product development cycle.
- Developed a virtual peer-to-peer learning pilot program to increase online course collaboration and productivity; garnered 25+ sign-ups among a diverse array of academic backgrounds.
- Created and facilitated 2 introductory-level lecture-style workshops to educate over 150 undergraduate students on the theoretical foundations of AI and basic applications of various ML algorithms.

SIDE PROJECTS

Hack Western 6 | Nov. '19

- Prototyped *Memolytic*, a voice-activated, NLP-based journaling assistant that analyzes one's daily routine to improve 7 core dimensions of wellness.

Hack the Globe | Mar. '18

- Pitched and wireframed *Mente*, an AI chatbot able to provide instant, scalable mental health support to those affected by natural disasters.

VOLUNTEERING

Early Outreach Program

London, ON | May '17 - '19

- Led 8 at-risk youth through a weekend of programming focused on developing self-esteem and other skills to prosper in school and life ahead; enabled them to overcome self-doubt and identify their passions.

INTERESTS

Squash | President, Western Squash Club

Road trip | SK - AB - BC - Seattle

Rubik's Cube | Best time: 19.06s

Music | Guitar; piano (RCM Grade 6)

Chess | 1,200 ELO

Michael Olson

613 290 9677 • michael.olson@queensu.ca

WORK EXPERIENCE

MANNARINO Systems & Software

May 2019 – August 2020 (16 months)

Embedded Verification Intern

- Internship developing and verifying new safety critical Real Time Operating System.
- Developed and adjusted core operating system components in C and Assembly within Agile Scrum development methodology.
- Worked on developer tools and supporting programs in Python.
- Completed tasks hosted in Jira, wrote documentation in Confluence.

Ciena Canada

May 2018 – August 2018 (4 months)

Embedded Software Designer Intern

- Supported development of drivers for Linux system.
- Developed driver interface using sysfs.
- Updated Linux initialization for custom distribution.

General Dynamics Mission Systems – Canada

May 2017 – August 2017 (4 months)

Software Developer Intern

- Developed JSON data table transformations. Automated creation of truth data with Python.
- Ensured validity of all data transformations using Robot automated unit tests.
- Held Level 2 (Secret) security clearance.
- Worked with team in Agile Scrum methodology using Jira, Confluence, Bitbucket and Bamboo.

EXTRA-CURRICULAR

Project Manager at Queen's Machine Intelligence and Neuroevolution Design (QMIND) 2020 – 2021

- Leading team of four undergraduate students in robotics Artificial Intelligence (AI) project.
- Creating robot to autonomously map indoor space and use Machine Learning to analyze accessibility of that space. The robot will use a fusion of LIDAR and 3D stereo vision.
- Will present research at Canadian Undergraduate Conference on AI 2021 in March 2021.

Winner of Q Hacks 2018 – Feb 2018

- Created web tool in 36 hours for on the fly analytics for audience reactions using facial emotion.
- Developed using React framework and several machine learning techniques.

TECHNOLOGIES

Exceptional in: Python, C

Experience in: SQL, Java, Git, C#, Bash, XML

EDUCATION

Bachelor of Computer Science (Hons.) at Queen's University

2016 – April 2021

- Dean's Scholar (2016-2018)
- GPA: 3.5 on 4.3 scale

RYAN PERSAUD

200 Jeffcoat Drive

Toronto, Ontario

Mobile: 647-968-5155

RyanM.Persaud96@gmail.com

OBJECTIVE

Currently seeking a Software Engineering position that will allow me to utilize my skills and experience to contribute to a team that can help me grow as a developer and a team member.

SUMMARY

- Software Developer PEY position at Scotiabank for 12 Months
- Proficient in
 - Programming Languages: Python, Java, Javascript, SQL, Bash
 - Markup/Styling: HTML5, CSS3, LaTeX
 - Frameworks: ReactJS, NodeJS
 - Tools: Git, UNIX, Airflow, Apache NiFi, Jira, Confluence, Bitbucket, Docker
 - Methodologies: Object-Oriented Programming, Design Patterns

EDUCATION

Honours Bachelor of Science, 2020

Majored in CCIT (Information Systems) with Minors in Math & Computer Science

University of Toronto

Courses included:

Software Engineering Design
Data Structures & Algorithms

Databases
User Experience Design
Human-Computer Interaction

EXPERIENCE

Associate Programmer Analyst, May 2017-April 2018

Scotiabank, Toronto, Ontario

- Responsible for the Data orchestration for my team's project using Apache NiFi & Airflow.'
- Assisted in the set up and creation of the Docker container that is being used to migrate the project seamlessly across environments.
- Contributing new ideas in hopes of maximizing efficiency both in terms of time and cost.
- Collaborated with the business analysts to ensure software jobs were completed correctly in accordance with the business requirements.
- Created scripts in Bash, Python and Postgres to automate repetitive tasks.

Marketing & WordPress Developer, September 2018-April 2019

Illinois State University, Normal, Illinois

- Assisted students with programming and software questions
- Supported Microsoft Office, Internet Explorer, and a variety of internally developed programs and tools

ACTIVITIES

- VP Academics Associate for ICCIT Council, 2019-2020

Thomas J. Hu

✉ junruihu@gmail.com ⚡ github.com/qedpi

EDUCATION

| | |
|---------------|--------------------------------------------------------------------------------------------------------------------------------|
| Degree | Master of Computer Science, Arizona State University, 2020 BSc in Mathematics, Western University, Dean's Honors List, 2016 |
| Awards | Ritcey Prize in Problem Solving, Data Analytics Trophy (IBM), Mervin Wass Scholarship for Mathematics, NSERC Research Award |
| SKILLS | |

| | |
|------------------|---------------------------------------------------------------------------------------------------------------|
| Languages | Python, JavaScript, Java, Solidity, SQL, Clingo |
| Web Stack | Django, React, Vue, HTML, CSS, Bootstrap, Socket.io |
| Tools | Npm, Webpack, Babel, Git, TensorFlow, Keras, Truffle |
| Theory | Data Structures & Algorithms, Answer Set Programming Functional Programming, Machine Learning, Data Mining |

PROJECTS

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|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Clingon | Automated Warehouse Simulation (ASP Clingo): ↗ Models warehouse and robots' actions & constraints to fulfill orders. Optimizes sequence of moves required with Logic Programming. |
| Codenames | Word association game with AI (React, Flask): ↗ Combines Material-UI design with NLP (Word2Vec) |

EXPERIENCE

| | |
|--------------------------------------|-------------|
| Web Developer — Noris Capital | 2018 |
|--------------------------------------|-------------|

- Designed responsive website for **The Blockchain Career Fair**.
- Categorized resumes using image recognition (OpenCV) & keyword clustering.

| | | |
|-------------------------------------------------------|---|------------------|
| Student Researcher — Applied Mathematics Dept. | ↗ | 2011—2016 |
|-------------------------------------------------------|---|------------------|

- Created pattern-matching algorithm for simplifying integrals involving tan.
- Designed numerical approximation method to verify results of a previous paper.

| | |
|-------------------------------------------------|-------------|
| Software Engineering Intern — Google Ads | 2015 |
|-------------------------------------------------|-------------|

- Developed & migrated to an infrastructure module to better serve ads at scale.

| | |
|---------------------------------------------------------|------------------|
| ACM International Collegiate Programming Contest | 2012—2015 |
|---------------------------------------------------------|------------------|

- Competed 2013 - 2015 in **Java**. Coordinated the Competitive Programming Club: planned curriculum, recruited, and mentored junior members.

| | |
|----------------------------------------------------------------|-------------|
| Data Analytics Competition Winning Team — IBM Sponsored | 2013 |
|----------------------------------------------------------------|-------------|

- Designed a recommender system using restaurant data which suggests related dishes based on collaborative filtering and purchase history.

| | |
|-----------------------------------------------------------------------------------|---|
| Participated in: <i>Hackathons, MOOCs, Workshops, Programming Contests</i> | ↗ |
|-----------------------------------------------------------------------------------|---|

PUBLISHED PAPERS

- **J. Hu**, Y. Hou, A.D. Rich, D.J. Jeffrey: Indefinite integration as term rewriting: integrals containing tangent. *Programming and Computer Software*, Vol 39(2), 61–66, 2013 ↗
- R.M. Corless, D.J. Jeffrey, **T. Hu**, “On some definite integrals containing the Lambert W Function,” *ACM Communications in Computer Algebra*. Vol 48:2, 33–41, 2014. ↗
- R.M. Corless, **J. Hu**, D.J. Jeffrey: Some definite integrals containing the Tree-T function. *Communications in Computer Algebra*, Vol 48:2, 33–41, 2014. ↗