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EDUCATION

Engineering Science - B.S Applied Science & Engineering Science

Apr 2023

University of Toronto ☑

TECHNICAL SKILLS AND COURSEWORK

Computer Languages & Frameworks

Python, C, C++, HTML, CSS, Javascript, Django, Node.js, LaTeX

Computer Science Coursework

Git, Algorithms, Data-Structures and Object-Oriented Design

Hardware

Arduino, 3D Printing, Verilog

CAD Software

Solidworks, AutoCAD, and MATLAB

EXPERIENCE

Google Developers ☑

Aug 2020 – Present

Developer Student Club Lead

1 of 118 Leads in North America acquired by Google Developers

Over 400 members signed up in under 2 months

- Gained over **500 total attendees** in **technical workshops** and events in under 1 month through organizing weekly initiatives for members to learn and advance their technical skills
- Manage an **executive team of 14 students** in outreach, operations and marketing of the club activities which resulted in over **1000+ total followers** on all our social medias (Facebook, Instagram, LinkedIn)
- Technologies: **Google Cloud Platform (GCP), Flutter, Google Tensorflow**

The Entrepreneurship Hatchery ☑

Apr 2020 – Present

KeepUP - CEO & Co-Founder

Over 500 Users

NEST 2020 Demo Day Winner

- Develop a **conversational AI platform** for a mobile and web application which uses **Natural Language Processing (NLP)** to take in requests from users and provides a response back using **Google Dialogflow** and **Wit.ai** integration
- Designed a **slide deck and pitched our startup** bi-weekly to Incubator Mentors and Connectors which resulted in our team reaching **top 16** in NEST Demo Day 2020
- Technologies: **Flutter, Google Cloud Platform (GCP), Wordpress, Xamarin, Amazon Web Services (AWS), Wit.ai, Google Dialogflow**

Codecademy ☑

Sep 2020 – Present

Chapter Leader

1st Canadian Chapter

Over 1000 days learning on Codecademy

- Create and lead monthly **technical meetups, events, workshops and talks** for learners to have a virtual community to connect and code with through the year
- Technologies: **HTML, CSS, Javascript, Python**

PROJECTS

Snek

Adjust the API in the game Snek to maximize the amount of points obtained

- Developed **multiple algorithms** in **Python and C** for the snake to gain the maximum amount of points in the game
- Algorithms: **Shortest Path Breadth First Search (BFS), Shortest Path Depth First Search (DFS), Longest Path, Hamiltonian Cycle, Dijkstra**
- Technologies: **Python, C**

Motor Controlled Microscope

Improving STEM Learning for children with Cerebral Palsy Opportunity

- Developed a **3D prototype** of a button that activates a turning motor on a microscope knob which resulted in **children with Cerebral Palsy** being able to **rotate the focus and course knobs** on a microscope
- Technologies: **C/C++, Arduino, Solidworks**

MediX - Remote Delivery of Medications

TOHackS

- Applied **Shortest Path algorithm** on **Google Maps API** to find shortest delivery distances for medications to be transported using drones
- Technologies: **Python, HTML, CSS, Google Maps API, Google Cloud Platform (GCP), Django Web Framework**

ClarityCare - Making organization of charity funds easier

HacktheGlobe - Top Finalist

- Developed a prototype of a mobile application that uses the **Google News Library API** and **open sources charity list databases** to identify current problems and finds charities targeting those issues that users can donate their funds towards
- Technologies: **Python, Google News Library API, Google Cloud Platform (GCP)**

LEADERSHIP

Women in Science and Engineering (WISE)

Jul 2019 – Present

Conference Relations Director (2020), First Year Associate (2019)

- Organized annual STEM Student for a Day by outreaching to **professors, labs and students** as guest speakers and as a result the event was **sold out** in just a few days

University of Toronto Engineering Society

Sep 2019 – Sep 2020

First Year Chair

- Lead and advocate for the **1000+ students** of the Class of 2023 in Faculty and Student Government wide events and meetings

York University Science Engagement Program

Oct 2017 – Aug 2019

Camp Counselor

- Created and led a **Math and Science lessons** for **grades 3-8** students for students to learn Highschool level concepts

Canadian Cancer Society

Oct 2018 – Jun 2019

Event Organizer

- Raised over **\$12,000** for school's Relay for Life event through leading a **team of 20 students** to organize an event for **over 200 attendees**

AWARDS

NSERC Student Ambassador

Aug 2020

Natural Sciences and Engineering Research Council of Canada

Hatchery NEST 2020 Summer Fellowship

Apr 2020

The Entrepreneurship Hatchery

First Year Student Leadership Award

Feb 2020

University of Toronto Student Union