



Engineering Co-op Program
University of Alberta



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Weichen Qiu

University of Alberta

Education

Computer Engineering, BSc Co-op	Class of 2023
Grade Point Average	3.4 / 4.0
Completed Academic Terms	5 of 8
Completed Co-op Work Terms	0 of 5
Availability Starting Jan 2021	8 months

SKILLS

Self – Starter	Tech Savvy
Self – Learner	Problem Solver
Creative	Responsible
Active listener	Teamwork

TECHNICAL SKILLS

DESIGN

SolidWorks

CREATIVE

Photography
Photoshop
Lightroom
Autodesk Maya
Premiere Pro
Adobe Audition

Python
MatLab
Assembly

C ++
SQL
Git

PROGRAMMING

Linux
HTML/CSS
Arduino
TensorFlow
JavaScript
Flask
Django

RELEVANT EXPERIENCE

PERSONAL WEBSITE | Project | <https://w3ichen.github.io>

Nov. 2019

- o Coded website from scratch using HTML, CSS, and JavaScript to showcase creative and coding projects
- o All projects are self-taught through YouTube videos, online documentation, and Stack Overflow
- o TensorFlow Natural Language Processing: auto-generated Harry Potter text using LSTM layers
- o TensorFlow Convolutional Network: classified images from an image API into classes using Convolutional layers
- o JavaScript API: given an artist's name, returns songs from similar artists using various music APIs (*more on website*)

FUTURE CREATORS | Club

Dec. 2019 – Present

- o Student group that teaches grades 7 to 12 students the basics of coding, Arduino, and 3D modeling

CANGRO | Club

June 2020 – Present

- o Sustainable agriculture student group focused on building an integrated modular farm capable of growing food year-round, and with significantly less water and space
- o I am assisting in designing the software for the climate control system

HACKATHONS

- o Hacked Beta 2019 Coded a variation of AES (advanced encryption system) in a 24-hour hackathon with a team of 5
- o Hacked 2020 Web scraped and analyzed public medical data to determine if the patient will die from cancer

AWARDS + SCHOLARSHIPS

- | | | |
|--|-----------------------|---|
| o Jason Lang Scholarship | GPA > 3.2 | University of Alberta (2019) |
| o Academic Excellence Scholarship | | University of Alberta (2018) |
| o AP Scholarship | Top 25 AP students | University of Alberta (2018) |
| o Major Service Award | 100 + Volunteer Hours | Strathcona High School (2018) |
| o National AP Scholar | Average score > 4/5 | College Board (2018) |
| o Duke of Edinburgh Bronze | | Duke of Edinburgh International Award Foundation (2017) |
| o Gold + Silver + Bronze Athletic Award | | Strathcona High School (2018) |
| o Honours with Distinction | 90% + average | Strathcona High School + McKernan School |
| o Dave Mutch Construction + Woodwork Award | | McKernan School (2015) |

EXTRACURRICULAR + CLUBS

EARLS KITCHEN + BAR | Food Expeditor | Work

Aug. 2018 – June 2019

- o Maintained order, clarified customer requests, and corrected mistakes by communicating to the Sous-Chef and Manager, while working closely with kitchen staff and servers
- o Fast-paced, teamwork and communication-heavy environment with up to 100+ reservations a night
- o Organized dishes according to table, while checking food for correctness and modifications
- o Assisted co-workers with their duties: packed Skip-The-Dishes orders and greeted delivery drivers for shift manager, ran clean dishes for servers, and washed dishes in dishwasher's absence
- o Worked a max of 20 hours/week, often going overtime and called in on unscheduled days

SWIM COACH | Strathcona High School | Volunteer

Sept. 2018 – Present

- o Coached a lane of 15 swimmers ranging from beginners to intermediates to win 30+ years of city championships

UNIVERSITY OF ALBERTA TAEKWONDO CLUB | Social Media Coordinator | YT: @T1tkdClub

Sept. 2019 – Present

- o Head of club's media team and managed the club's YouTube channel by posting videos that I edited and filmed

UNIVERSITY OF ALBERTA MEDIA TEAM | FB: @UASUevents

Dec. 2018 – Present

- o Captured photos and video of campus events for promotion and advertising
- o Welcomed new students to campus as a Week of Welcome (WOW) and New Student Orientation Volunteer

STRATHCONA HIGH MEDIA TEAM | YT: @StrathconaHighSchool

Sept. 2017 – June 2018

- o Spearheaded promotional swim videos, shown at the athletic banquet, from concept to production. Directed and filmed 20 swimmers, scheduled interviews, contacted editors and scanned old yearbook photos
- o Pioneered first ever year in review video as the primary video editor after consulting with teachers
- o Operated livestream switchboard and video cameras during large school assemblies of 1500 people

VOLUNTEERING

2015 – 2018

- o Volunteered at numerous city festivals in positions that interacted with children and the general public
- o *Festivals:* Edmonton International Fringe Festival, Heritage Festival, Ice on Whyte, Taste of Edmonton and more
- o Volunteered with University's Spring Triathlon as a race marshall and swim lap counter in 2016 and 2017
- o Fundraised money for Scona Initiative's charity event by door-to-door donations and bottle drives from 2016 to 2018

CERTIFICATIONS

Class 5 GDL Driver's License
English, Mandarin, Basic French
Standard First Aid + CPR + AED
Construction Safety Training
WHMIS Certified

Government of Alberta
Languages
Apex Training Solutions
Alberta Construction Safety Association
Alberta Construction Safety Association