



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	CREATIVE		PROGRAMMING				
SolidWorks	Photography	Autodesk Maya	Python	C ++	Linux	TensorFlow	
	Photoshop	Premiere Pro	MatLab	SQL	HTML/CSS	JavaScript	
	Lightroom	Adobe Audition	Assembly	Git	Arduino	Flask	Django

PROJECTS + CLUBS

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

Nov. 2019

- Coded website from scratch using HTML, CSS, and JavaScript to showcase creative and coding projects
- All projects are self-taught through YouTube videos, online documentation, and Stack Overflow
- TensorFlow Natural Language Processing: auto-generated Harry Potter text using LSTM layers
- TensorFlow Convolutional Network: classified images from an image API into classes using Convolutional layers
- 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

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

CANGRO | Club

June 2020 – Present

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

RELEVANT EXPERIENCE

SWIM COACH | Strathcona High School | Volunteer

Sept. 2018 – Present

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

EARLS KITCHEN + BAR | Food Expeditor | Work

Aug. 2018 – June 2019

- Maintained order, clarified customer requests, and corrected mistakes by communicating to the Sous-Chef and Manager, while working closely with kitchen staff and servers
- Fast-paced, teamwork and communication-heavy environment with up to 100+ reservations a night
- Organized dishes according to table, while checking food for correctness and modifications
- 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
- Worked a max of 20 hours/week, often going overtime and called in on unscheduled days

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

Sept. 2019 – Present

- 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

- Captured photos and video of campus events for promotion and advertising
- 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

NEIGHBORS | House Sitter + Lawn Mower + Snow Shoveler

July 2016 – Present

- Mowed the lawn and shoveled snow for neighbors away on vacation; trusted with house and garage keys

SCONA INITIATIVE | Volunteer | Strathcona High School

March 2016 - 2018

- 24-hour student-run Bikeathon with 1000 participants raised half a million dollars each year for one charity
- Door-to-door fundraising and bottle drive donations; organized and worked a workshop with 3 people during event

UALBERTA TRIATHLON | Race Marshall + Swim Lap Counter | Volunteer

May 2016, 2017

- Directed bikers and counted laps for swimmers at University's Spring Triathlon sporting event

FESTIVALS | Volunteer

2015 – 2018

- Volunteered at numerous city festivals in positions that interacted with children and the general public
- Festivals: Edmonton International Fringe Festival, Heritage Festival, Ice on Whyte, Taste of Edmonton and more

CERTIFICATIONS

Class 5 GDL Driver's License

Government of Alberta

English, Mandarin, Basic French

Languages

Standard First Aid + CPR + AED

Apex Training Solutions

Construction Safety Training

Alberta Construction Safety Association

WHMIS Certified

Alberta Construction Safety Association

AWARDS + SCHOLARSHIPS

Major Service Award (100 + Volunteer Hours)

Strathcona High School (2018)

National AP Scholar (avg score > 4/5)

College Board (2018)

Duke of Edinburgh Bronze

Duke of Edinburgh International Award Foundation (2017)

Gold + Silver + Bronze Athletic Award

Strathcona High School (2018)

Honours with Distinction (90% +)

Strathcona High School + McKernan School

Dave Mutch Construction + Woodwork Award

McKernan School (2015)

Academic Excellence Scholarship

University of Alberta (2018)

AP Scholarship

University of Alberta (2018)

SPORTS + INTERESTS

Swimming

Cross-Country Running

Drawing/Sketches

Taekwondo

Badminton

Skiing

Ice Skating

Curling

Ultimate Frisbee

HACKATHONS

HackED Beta 2019 | Coded a variation of AES (advanced encryption system) in a 24-hour hackathon with a team of 5

HackED 2020 | Web scraped and analyzed public medical data to determine if the patient will die from cancer