

ALEX LI

SKILL SUMMARY

Software Language

- Front End Development: HTML5, CSS3, Javascript ES6, React.js, JQuery, Bootstrap 4, SASS
- Proficient Languages: C++, Python
- Query Tools: SQL, MongoDB
- Additional Tools: Git, Bash, P3 Processing

Robotics

Obtained teamwork experience when designing and creating robots with a robotics design team.

Microsoft Office

Experience in using Word, Publisher, Powerpoint, and Excel to store data, document information, and present proposals.

PROJECTS & EXTRACURRICULARS

Personal Portfolio Website

Dec 2019 - Present

HTML5, CSS, Javascript | Design of a personal biography website using HTML, CSS, and Javascript.

Vector & Matrix Library Personal Project

Nov 2019 - Present

C++ | Creation of a class with matrices/vectors data structures and functions to represent matrix arithmetic.

Robot Designs & CAD Projects

Oct - Dec 2019

Design of medical concept robot constructed using an aluminium frame, servo motors and pneumatic actuators.
Construction of an autonomous pizza cutting robot using, motors, sensors (gyro, touch, ultrasonic), and a processor (programmed with C).

JFSS HOSA Chapter

Dec 2017 - July 2019

CPR | Competed in Orlando for the international leadership conference.

Music/Music Production

Apr 2018 - Present

Experience in production, mixing, mastering and audio engineering using FL Studios, and external VSTs and plugins.

RELATED COURSES

Software

- Data Structures and Algorithms
- Digital Computation
- Introduction to Computer Science

Hardware

- Introduction to Mechatronics Engineering
- Circuits and Electromagnetism

WORK EXPERIENCE

Lily Swim Club

2015 - 2019

Swim Instructor

- Demonstrated responsibility by creating and integrating personalized lesson plans into sessions
- Consistent communication with parents and students


The Mississauga News

2013 - 2019

Paper Delivery

- Shown initiative to delivery of paper, packages, magazines to multiple streets
- 7 year commitment to serving the community

CONTACT

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EDUCATION

2019 - Present

University of Waterloo

Honors Mechatronics

Engineering with Co-op

2015 - 2019

John Fraser Secondary School

Graduated Regional AP 2019

AWARDS & CERTS

- University of Waterloo President's Scholarship
- 2019 HOSA Toronto SLC Finalist & Orlando ILC Competitor
- Certified in CPR-C, Standard First Aid, National Lifeguard: Pool by Royal Lifesaving Society guidelines
- Certified in Emergency First Aid Instructor, Swim Instructor, Lifesaving Instructor by Royal Lifesaving Society guidelines.
- 3rd place award in 50m freestyle Blue Trojan meet.

VOLUNTEERING

- **The City of Mississauga**
 - (2018) 91+ hours | Junior Instructor for swim classes
- **Jerk Festival**
 - (2017) 55+ hours | Handling inventory, working in stage crew
- **Open Streets Toronto**
 - (2015) 15+ hours | Promotion and handling of events
- **Enbridge: Ride to Conquer Cancer**
 - (2012 - 2017) 25+ hours | Worked in food distribution and cheer crew