

Kevin Li

Mississauga, ON | k378li@uwaterloo.ca | www.linkedin.com/in/kevin-li-16807 | 6 followed by other friendly numbers

Education

University of Waterloo | Waterloo, ON

Sept. 2020 – (Expected) April 2025

- ❖ Candidate for B.A.Sc., Mechatronics Engineering, Honours
- ❖ **Weighted Average (1A Term):** 96.4% (4.0 GPA)

John Fraser Secondary School | Mississauga, ON

Sept. 2016 – June 2020

Skills

Languages:

- ❖ **Proficient:** C++, Python
- ❖ **Familiar:** HTML, CSS

Tools:

- ❖ SolidWorks, AutoCAD, Arduino, Bootstrap, LaTeX, Microsoft Excel, Altium Designer, GrabCAD Print, GD&T

Experience

HOSA (Health Occupations Students of America)

John Fraser Secondary School

Club President

Sept. 2019 – June 2020

- ❖ Led and delegated responsibilities for the executive team of the John Fraser Secondary School 2019 – 2020 HOSA Chapter with over sixty participating members
- ❖ Managed the registration process and transportation logistics for a two-day excursion to the national level of competition, HOSA State Leadership Conference (SLC)

Math and Science Senior Scholars

John Fraser Secondary School

Tutor

Sept. 2019 – June 2020

- ❖ Provided ambitious students with tutoring in mathematics, physics, chemistry, and biology between school hours with the focus of training an intuitive understanding of concepts
- ❖ Created challenging mathematics practice assessments composed of difficult thinking questions for classmates using LaTeX to exercise problem solving and analytical skills

Midnight Sun Design Team (Solar Electric Vehicle)

University of Waterloo

Electrical-Hardware Subteam Member

Sept. 2020 – Present

- ❖ Researched and proposed various sensor implementations for a collision avoidance system
- ❖ Developed basic skills with Altium Designer, the PCB and electronic design software
- ❖ Developed familiarity with Confluence to communicate task progression and access relevant team resources

Projects

Goose Escape | Video Game

Nov. 2020

- ❖ Programmed a two-dimensional level-based arcade game using C++ and BearLibTerminal libraries where a player attempts to reach safe zones while being chased by an NPC, the goose
- ❖ Implemented fully randomized map and spawn generation and adjustable NPC intelligence to enable the ability to increase the complexity and difficulty of the game as it progresses

Cellphone Stand | 3D Modelling

Nov. 2020

- ❖ Created a retractable cellphone stand with two hinge mechanisms using SolidWorks suitable for 3D printing
- ❖ Developed familiarity with 3D printing logistics and optimizing material usage with GrabCAD Print

Personal Portfolio Website | Web Design

Jan. 2021

- ❖ Designed a fully responsive portfolio website using HTML, CSS, and Bootstrap with several animation features

Awards

President's Scholarship of Distinction

University of Waterloo | Aug. 2020

- ❖ The entrance scholarship awarded by the University of Waterloo for achieving an admissions average of above 95%.

Graduate Academic Award

John Fraser Secondary School | Jan. 2021

- ❖ Rewarded for graduating with the highest average calculated on six senior level courses (98.7%) in the 2019-2020 school year at John Fraser Secondary School.

HOSA SLC and ILC (National and International)

HOSA Canada | Apr. and June 2019

- ❖ Placed 4th and Top 32 in the event category 'Biomedical Debate' at the national and international level HOSA competitions respectively (HOSA SLC 2019 & HOSA ILC 2019)