

## Experience

### Kingston Process Metallurgy

*Engineering Intern* July '18 ⇒ August '18

- ⇒ Received training in lab safety procedures
- ⇒ Prepared and edited P&ID Technical Drawings for chemical processes
- ⇒ Used SolidWorks to create dimensioned parts for miscellaneous equipment and pilot project components

*Engineering Intern* May '19 ⇒ August '19

- ⇒ Drafted plant safety procedures
- ⇒ Communicated with online merchants to procure plant equipment (probes, thermocouples, etc.)
- ⇒ Assisted in commissioning of pilot plant.

### UofT Robotics SUMO Robot

*Robotics Lead* Sept '18 ⇒ Jan '19

- ⇒ Created and debugged circuit that included various sensors (ultrasonic, line and infrared) and motor components
- ⇒ Transferred circuit onto PCB

### UofT Formula Racing

*Various Capacities* Jan '19 ⇒ current

#### Electrical

- ⇒ Received training on electrical systems onboard the formula racing vehicle

#### Machine Shop

- ⇒ Worked in machine shop and used lathe and mill to machine various parts for use

#### Lap Simulation

- ⇒ Worked with others to create 1-dimensional Lap Simulation, with the goal of reducing prototyping costs and time spent on testing
- ⇒ Produced simulated data given a preset of vehicle and track data, thus allowing for accurate predictions to be drawn

## Education

### University of Toronto

Grad: 04/2022

Candidate for Bachelors of Applied Science

### Kingston C.V.I.

Grad: 06/2018

International Baccalaureate Diploma Program

## Skills

### Languages


C C++ JavaScript HTML & CSS MATLAB

### Technical

SolidWorks AutoCad P&ID Drawing


## Projects

### C Reversi/Othello AI

 github repo

- ⇒ Determines best possible moves by evaluating hot spots on the board, as well as number of tiles flipped.
- ⇒ Use greedy algorithm to evaluate best move.

### Personal Website

 github repo

- ⇒ Used Bootstrap to make responsive website for mobile and desktop devices.
- ⇒ Produced custom CSS themes and animations.

## Achievements & Involvements

- ⇒ 2-time DECA Provincial Champion
- ⇒ KCVI Leadership Conference 2017 - Leader
- ⇒ Professional Engineers of Ontario - Frontenac Lennox and Addington Science Fair Award

## Interests & Hobbies

- ⇒ Tinkering
- ⇒ Cooking
- ⇒ Recreational basketball, running
- ⇒ Music production