

Experience

Kingston Process Metallurgy

Engineering Intern

August '18

- ⇒ Trained 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

UofT Robotics SUMO Robot

Robotics Lead

Sept '18 ⇒ current

- ⇒ Created and debugged circuit that included various sensors (Ultrasonic, Line and Infrared) as well as motor driver and motors
- ⇒ Transferred circuit onto PCB for easier debugging of programs

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 JavaScript HTML & CSS MATLAB

Technical

SolidWorks AutoCad P&ID Drawing Machining


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.
- ⇒ Uses a minimax tree with alpha-beta pruning to represent the board

Personal Website

 github repo

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

Achievements & Involvements

- ⇒ Chesnut Investing Club (2018-current)
- ⇒ 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 and Eating
- ⇒ Recreational basketball, running
- ⇒ Music and podcasts