Ian Chan

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Experience

Kingston Process Metallurgy
Engineering Intern   August

=> 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 => cur

=> Created and debugged circuit that included various sensors (Ultrasonic, Line and Infrared) as well as motor dri
and motors

=> Transferred circuit onto PCB for easier debugging of programs

UofT Formula Racing
Various Capacities   Jan '19 => cur

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 tim
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: 04/2

Candidate for Bachelors of Applied Science

Kingston C.V.I.   Grad: 06/2

International Baccalaureate Diploma Program

Skills

Languages

C & C++   JavaScript   HTML & CSS   MATLAB

Technical

SolidWorks   AutoCad   P&ID Drawing

Projects

C Reversi/Othello AI

github r

=> 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 r

=> Used Bootstrap to make responsive website for mobile and desktop devices.

=> Produced custom CSS themes and 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
=> Recreational basketball, running
=> Music production