

Trevor O'Leary

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OBJECTIVE

4th Year Electrical Engineering Student at McGill University

EDUCATION

B. Electrical Engineering 09.2015 – 04.2019
McGill University, Montreal, QC GPA: 3.65/4.00

ENGINEERING PROJECTS

FSAE Formula Electric – Electronics Subsystem Leader 09.2017 – on going

- Engineering Responsibilities
 - Rigorous design and evaluation of vehicles electrical system
 - Designing PCB's with Altium Designer
 - System integration Manufacturing & Testing of PCBs
- Managerial Responsibilities
 - Oversight and training of new members joining electronics
 - Liaison with existing and future sponsors from the industry
 - Project and time management throughout semester and summer

Controller Design for Inverted Pendulum (Montreal, QC) 09.2018 – 12.2018

- Designed, LQR, pole placement and PID, controllers for system
- Exercised group working skills to write the code and problem solve

Built an Acrobatic Quad Copter (Toronto, ON) 05.2017 – 12.2017

- Applied research skills to select various printed circuit boards necessary for drone operation
- Employed technical skills assembling the body and electronics
- Used problem solving skills while programming the flight controller with *CleanFlight* software

HOBBIES & ACTIVITIES

Music Production

- Create and produce my own original music including original instrumentation

WORK EXPERIENCE

Mas Playas Hacienda Restaurant – Waiter (Toronto, ON) 04.2016 – 08.2016

- Exercised communication and listening skills waiting tables to assure a fluid
- Used organizational skills in closing duties including balancing the cash

Gordon Bay Marine – Gas Dock Supervisor (Parry Sound, ON) 05 – 09 | 2011 – 2015

- Liaised and built relationships with customers during service
- Used organizational skills facilitating boat rentals and employee schedule

SKILLS

Programming Languages: **Java** (3 years), **C/C++** (6 months), **MATLAB** (6 months), **VHDL** (6 months),
Software: **Altium Designer** (2 years) **Siemens NX 11** (2 years) **Excel & Word** (10+ years)