



SUMMARY OF QUALIFICATIONS

- Experienced with modelling and plotting in **SolidWorks** and **AutoCAD**
- Proficient in **Java**, **Python**, **C++**, **HTML**, **Objective-C**, **Lua**, currently learning **SQL**
- Skilled with **Microsoft Word** and **Excel**
- Familiar with **engineering drawings** and **GD&T**
- Experienced with **soldering** and **machining**, specifically **mill** and **lathe**

EXPERIENCE

- 2019 **Ride Manager** *Centreville Amusement Park*
- Effectively operated all park rides safely and efficiently
 - Communicated with peers and created professional reports weekly
- 2015-2018 **Lead Summer Camp Counsellor** *Cybercamp Robotics Academy*
- Prepared 20-minute lessons daily on robot design logistics and ROBOTC
 - Designed and organized various activities for 40 campers daily
- 2015-2018 **Community Social Worker** *WoodGreen Community Services*
- Mentored local residents weekly on software and hardware knowledge
 - Helped organize local events such as CIBC Run for the Cure, tree planting, etc.

PROJECTS

- 2019-present **Midnight Sun Mechanical Sub-team**
- Member of a solar car design team, dedicates 6-12 hours weekly
 - Constructed bottom and side molds using MDF with various equipment
 - Created car body with carbon fiber and honeycomb core sandwich panels
- 2019 **Personal Toy Design**
- Designed and modelled a customized music box in SolidWorks with 60+ parts
 - Used 3D printing, laser cutting, and woodworking tools to finalize model, evaluated to be an excellent design by a Spin Master Agent
- 2019 **Engineers Without Borders**
- Led a team of 5 selected students to solve problems in the local community
 - Contacted and pitched ideas to 5 politicians to install new stop sign, utilize new garbage can design and improve green spaces.
- 2015-2019 **Toronto Science Fair**
- Selected to the Toronto Science Fair 3 times due to outstanding projects
 - Incorporated circuit design and various electronic part to create an arm sleeve that charges phones using body heat, practiced profession writing and Excel

EDUCATION

- 2019-Present **Candidate for BAsc. Mechanical Engineering** *University of Waterloo*

INTERESTS

- Team sports – 3 years of AA volleyball and basketball, developed leadership and teamwork skills
- Chess – 2000 ELO rating, 99th percentile on chess.com
- Programming – developed iOS tweaks using Xcode and Theos as hobby
- Engineering Industries – aerospace and automotive in particular
- Renewable energy related fields