

Undergraduate
Mechanical Engineer

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SUMMARY OF QUALIFICATIONS

- Experienced with modelling and plotting in SolidWorks and AutoCAD
- Proficient in Java, Python, C++, HTML, familiar with SQL
- Skilled with Microsoft Word and Excel
- Familiar with engineering drawings and GD&T
- Experienced with soldering and machining, including mill, lathe, laser cutting, 3D printing
- Extensive **teamwork** and **communication** skills from past projects and experiences

EXPERIENCE

2020 Online Skills Development Assistant

University of Waterloo

- Led a team of 4 to solve environmental issues on our campus
- Worked with Grand Challenges Canada and Waterloo Undergraduate Student Association to develop plans and resources to reduce textile waste on campus
- Created educational modules highlighting skills such as problem solving, online working and time management

2019 Park Manager/Ride Attendant

Centreville Amusement Park

- Awarded rookie of the year for outstanding problem solving and communication
- Worked with Security, Health & Safety facilities to ensure smooth operation
- Effectively operated park rides and machinery

2015-2018 Lead Summer Camp Counsellor

Cybercamp Robotics Academy

- Supervised 40 campers ages 12 14
- Prepared 20-40 minute daily lessons on robot design logistics and ROBOTC
- Designed activities ranging from robotics competitions to outdoor games

PROJECTS

2019-present

Midnight Sun Aeromolds Sub-Team Lead

- Active member of a solar car student design team, dedicates 6-12 hours weekly
- Reduced door mold material cost by 28% using SolidWorks design analysis
- Constructed all body molds using MDF with various equipment
- Created car body with carbon fiber and honeycomb sandwich panels

2015-2019

Toronto Science Fair

- Nominated to the city level science fair 3 times due to outstanding projects
- Incorporated circuit design and various electronic parts to create an arm sleeve that charges phones using body heat, practiced professional writing and Excel

2019

Engineers Without Borders

- Led a team of 5 students to solve problems in the local community
- Contacted 5 politicians to install a new stop sign, and pitched ideas for new garbage can designs and plans to improve green spaces

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
- Learning new skills and meeting new people