





OWEN MOOGK

226-989-0602 

owenmoogk@gmail.com 

linkedin.com/in/owenmoogk 

Mechatronics Engineering Student
at the University of Waterloo

References available upon request 

EXPERIENCE



FORMULA SAE TEAM

September 2022 - Present



POWERTRAIN MEMBER

Working to design and build a powertrain system with the UFWM Formula SAE team. Although a new member, I have gained knowledge about powertrain systems and the design process in a racecar team.

FIRST ROBOTICS

August 2018 - September 2022



SUB-TEAM LEAD

Led a subteam of robotics students using project management and teamwork skills to build a mechanism to complete a given task, whilst learning leadership skills transferrable to any workplace.

ELECTRIC RACE TEAM

September 2021 - June 2022



SENIOR STUDENT

Led a subteam of students to engineer a fully electric racecar in under a year, working on drivetrain and braking systems. Achieved first place in both competitions we attended.

MERRY HILL GOLF CLUB

May 2020 - September 2022



CLUBHOUSE EMPLOYEE

Demonstrated excellent customer service by implementing communication, responsibility and cooperation skills. Navigated difficult situations through accountability and professionalism.

SHAD CANADA

July 2021



UPEI FELLOW

Participated in SHAD Canada, a month-long intensive STEM program, learning about global issues, while engineering an award-winning solution focused around Canadian water problems.

EDUCATION



MECHATRONICS ENGINEERING

September 2022 - 2027



UNIVERSITY OF WATERLOO

Candidate for Bachelors of Applied Science, studying Mechatronics Engineering. Working with likeminded students building collaboration, time management, and technical skills.

COMMUNITY ACTIVITIES



CHOOSE TO LEAD

Leadership Program



Accepted into the 4 year prestigious Choose to Lead program, where I developed teamwork, cooperation, management, and leadership skills.

FLL TEAM MENTOR

Mentor / Volunteer



Co-Founded and mentored a FIRST Lego League team, teaching engineering and teamwork skills to students. Built a framework to foster creativity, learning, cooperation, and teach the design process in the context of solving real world problems.

SKILLS



Experience in industrial design, using Solidworks, AutoCAD and OnShape, designing machined and 3D printed parts.

Experienced in fabrication, with machining and 3D printing tools.

Expeirence in website development using HTML, CSS, JavaScript, React, and Django.

Experience in customer service and leadership roles, carrying a positive attitude while demonstrating teamwork and cooperation.

Am a quick learner, and am willing and able to pick up new skills in any domain.

ACHIEVEMENTS



AP SCHOLARS AWARD

Awarded the AP Scholars Award for exceptional performance on Chemistry, Physics, and Economics exams, all of which I achieved a qualifying score.

DUKE OF EDINBURGH AWARD

Awarded the Bronze and Silver Duke of Edinburgh's award for exceptional community service and personal

DECA

Achieved within in the top 10% of my competitors in the DECA international business competiton.

HARVARD CS50

Completed the Harvard CS50 computer science course, in which I learned software design principles, multiple coding languages, and applied these skills through building a