ROBERT WALSH

Mechatronics Engineering |rewalsh@uwaterloo.ca|902-222-8434 |Halifax, NS

SKILLS

SOFTWARE:
- Object oriented programming experience with algorithms and data structures in C++
- Some experience in gitlab

MECHANICAL:
- SOLIDWORKS
- AutoCAD

COMMUNICATION:
- Microsoft Word and Excel
- Google Docs, Slides, and Sheets
- LaTeX

AWARDS

GOVERNOR GENERAL'S AWARD: Awarded to the graduating student with the highest combined grade 11 and 12 marks

QUEEN ELIZABETH II MEDAL: Awarded for superior achievement in school studies, and an outstanding record in all aspects of school and community involvement

EDUCATION

CANDIDATE FOR B.ASC IN MECHATRONICS ENGINEERING • UNIVERSITY OF WATERLOO • CURRENT
- Cumulative average of 91% overall, with a 97% in digital computation

EMPLOYMENT

PADDLING COACH • JUNE 2020 – AUG 2020, JUNE 2021 – AUG 2021 • SENOBE AQUATIC CLUB
- Responsible for the safety and organization of up to 30 participants during on-water practices
- Built strong teamwork capabilities by problem solving with other coaches to ensure safety during potentially hazardous situations, such as extreme wind, and lightning

PROJECTS

MOCK PIZZA DELIVERY ROBOT • NOV 2021 • UNIVERSITY OF WATERLOO
- Developed a delivery robot navigation algorithm in a team of four.
- Code allowed delivery robot to navigate an obstacle course given a coordinate destination

CABIN BUILDING • MAY 2020 – APR 2021 • HALIFAX, NOVA SCOTIA
- Participated in the creation of a 12x12 ft cabin
- Acquired experience with a variety of tools and materials including nail guns, table saws, as well as concrete and wood

ACTIVITIES

SPRINT KAYAKING • SEPT 2018 – AUG 2021 • SENOBE AQUATIC CLUB
- National gold medalist in u16 men's 500m k4 (4-person kayak)
- Nationally 13th overall in u18 men's 1000m k1 (single kayak)
- Trained 8-15 hours per week year-round, while competing at a provincial and national level, developing a strong work ethic