

Ronan Love

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Objective

- 2nd year university student interested in developing new skills and showcasing current skills within a team environment. Highly driven and willing to fill any role offered.

Education

QUEEN'S UNIVERSITY

Kingston, ON

2022-Present

- Bachelor of Applied Science - 2nd Year Student.
- Discipline: Mathematics and Engineering with a focus in Computing and Communications.

Relevant Coursework

APSC 101 ENGINEERING DESIGN AND PRACTICE

- Participated in designing and manufacturing an assistive arm to aid in mobility for those affected by mobility issues.
- Led the structural development of the assistive device; assisted with code development of Arduino.

APSC 200 ENGINEERING DESIGN AND PRACTICE

- Participated in creating a simulated solution to alleviate garbage build up in the Great Pacific Garbage Patch.
- Using MATLAB and the flocking algorithm, a multi-agent system was implemented to effectively create a realistic solution to the problem.
- Presented the solution to project managers, colloques, and faculty members in a professional environment.

ERNEST MANNING HIGH SCHOOL

Calgary, AB

Sept. 2019 – June 2022

- Achieved the Alberta High School Diploma with Honours.
- 200 volunteer hours as a lifeguard and member of the Sports Medicine Team.

Experience

WESTSIDE RECREATION CENTRE

Calgary, AB

Lifeguard and Swim Instructor

July 2020-August 2021

- Instructed 3-month long classes of 5-10 kids from ages 3-15.
- Educated patrons about rules and regulations and cleaned equipment for patrons while lifeguarding.

ELEVATION PLACE

Canmore, AB

Lifeguard

June 2020 – June 2021

- Demonstrated strong leadership skills while maintaining the safety of guests.
- Strengthened interpersonal skills through new relationships with individuals outside of age group and local city.

Leadership & Activities

QUEEN'S HYPERLOOP DESIGN TEAM

Kingston, ON

Artificial Intelligence & Machine Learning Research

Sept. 2023 – Present

- Focusing on refining a simulation model that inputs values to test the success-to-fail ratio.
- Utilizing GeoPandas to utilize geospatial data for the creation of the model.
- Writing a technical report outlining the requirements and constraints for a fully functioning hyperloop system.

VARSITY WATER POLO

Kingston, ON

Team Member

Sept. 2023 – Present

- Three practices per week with biweekly tournaments.
- Participates in high intensity, high duration exercise while effectively communicating with teammates.

COHERE CORAL HACKATHON

Kingston, ON

GeCover

Nov. 2023

- Aided in developing a website that utilizes large language models to produce unique cover letters using user-inputted information.

Skills & Interests

Skills – Proficient in C, Python, Java, Excel, Word

Interests – Analysis and Deep Learning