Liam Weeks

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GitHub: https://github.com/liamweeks
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Objective

As a focused, motivated Computer Science student at Queen's University, I am eager to grow and apply my technical and practical skills to solve complex problems and help people.

Awards and Certificates

- **Computer Programming Scholarship** Awarded by BC School District 43 for outstanding achievement in technology and computer programming.

- **Canadian Red Cross First Aid/CPR** Achieved Level C certification, covering first aid, CPR, and AED usage.

- **DELF B2** certified – advanced French language proficiency.

Education

Bachelor of Computing (Honours)   *Sep 2023 - Present*
Queen's University • Kingston, Ontario, Canada

- Currently in 2nd year in the Honours Program in Computer Science at Queen's University, specializing in Cybersecurity.

- Dean's Honour List (2024), Varsity Rugby, Queen's Rocket Engineering

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Software Development Experience

Software Developer - Machine Learning   *Nov 2023*
École Dr. Charles Best Secondary School • Coquitlam, British Columbia, Canada

- Awarded Technology and Computer Programming Scholarship by BC School District 43 for outstanding achievement in technology and computer programming.

- On my own initiative, I developed a machine learning model to accurately classify and identify abnormalities in mammograms as part of a grade 12 capstone project.

- Utilized Python and TensorFlow to build and train a machine learning model which can classify a mammogram into one of seven categories, improving diagnostic processes by providing preliminary analysis.

Software Developer - Infrastructure and Automation *Jun 2023 - Aug 2023*
Thunderbird Water Users' Community • Harrison Hot Springs, British Columbia, Canada

- Used Linux and Python to update and refine the software system handling water logistics, significantly improving operational efficiency and user experience.

- Authored comprehensive documentation in addition to training community members to assist future troubleshooting and maintenance, ensuring sustainability and ease of system management.

- Collaborated with community members to understand their needs and tailor software solutions, enhancing satisfaction and reliability.

8-bit Computer Project - Embedded Systems *Feb 2024 - Aug 2024*
Personal Project

- Built an 8-bit computer using 74LS series integrated circuits and wrote custom micro-code, assembling discrete components such as registers, RAM, and an ALU into a functional system.

Related Experience

Bouncy Castle Park Lead *Apr 2024 - Aug 2024*
FUNBOX Vancouver • Coquitlam, British Columbia, Canada

- Promoted from Park Associate to Park Lead within three weeks due to strong leadership and problem-solving abilities.

- Oversaw ticket sales, customer service, and crowd control, improving efficiency and guest satisfaction through proactive communication and leadership.

Volunteer at Martha's Table *Jan 2025 - Apr 2025*
Martha's Table • Kingston, Ontario, Canada

- Work with fellow volunteers and staff to enhance service efficiency and foster a welcoming community atmosphere.

- Demonstrates reliability and dedication by taking initiative in daily tasks, embodying the spirit of community service.

Youth Basketball Coach *Sep 2022 - Apr 2023*
Tri-City Youth Basketball Association • Coquitlam, British Columbia, Canada

- Created an inclusive team culture that improved players' (grades 3-5) confidence and collaboration on and off the court.

Peer Tutor *Sep 2019 - Jun 2023*
École Dr. Charles Best Secondary School • Coquitlam, British Columbia, Canada

- Delivered after-school tutoring in Computer Programming 12, Pre-Calculus, Calculus, English 10/12, and Electronics 11/12, improving students' understanding and grades.