

ISHAN BIJUKUCHHAY

Kitchener, ON ◊ (519)-497-9248 ◊ ishanbijukuchhay@gmail.com ◊ www.linkedin.com/in/ishan-bijukuchhay/

EDUCATION

Queen's University - Bachelor of Engineering, Computer Engineering September 2025 - April 2030

EXTRACURRICULAR EXPERIENCE

General Manager September 2022 - June 2025
Huron Heights Secondary School Robotics Team

- Led and coordinated 15+ project teams in the construction of battle bots, managing schedules to ensure success.
- Utilized Excel and Google Sheets to categorize members based on skill level and collaboration dynamics, and presented overviews of competition rules and logistics to members through presentations such as Powerpoint.

Public Relations Manager September 2024 - June 2025
Huron Heights Secondary School - Asian Students Association

- Coordinated planning of large-scale cultural events with local business, ensuring alignment between student leaders and faculty sponsors.
- Utilized Excel and tracking sheets to organize outreach efforts, vendor contacts, and budget progress, maintaining visibility on event milestones.

Mentor September 2025 - Present
Equity Mentor - Queen's Engineering Society

- Coordinate event planning and project timelines for DEI initiatives within the engineering community and student teams to define requirements, assign tasks, and manage progress toward successful event execution.
- Developed **projected cash flow forecasts** to ensure adequate project funding and identify potential shortages.

WORK EXPERIENCE

Lifeguard/Instructor June 2025 - September 2025
City of Kitchener - Aquatics Division

- Planned, delivered, and adapted over 20 swim programs for 100+ participants across age groups
- Tracked attendance, progress, and evaluation data for each student with Word and Excel.
- Managed tasks and communicated with team to ensure timely deliverables and mitigate risks

PROJECT EXPERIENCE

Firefighting Robot January 2025 - June 2025
Huron Heights Secondary School

- Designed and built an autonomous fire-fighting robot using Arduino microcontrollers, integrating multiple sensors including flame detectors, obstacle sensors, and infrared receivers in Arduino for autonomous navigation.
- Created a modular system architecture, allowing flexibility for adding additional sensors and features.

Clean-Sweeping Robot September 2025 - Present
Queen's VEX Robotics Club

- Designed and tested circuit connections to ensure efficient sensor communication with the Arduino board.
- Collaborated in a team-based engineering project to design and build an autonomous cleaning robot powered by Arduino and programmed in Rust/C++.

SKILLS AND INTERESTS

Technical Skills Fusion 360, CLion, VSCode, Arduino, C, Python
Platforms MS Excel, MS Word, MS Projects, MS Powerpoint