

KRISTINA BATRAK

[Portfolio](#) | [GitHub](#) | [LinkedIn](#)

Education

Bachelor of Science (Honors Specialization in Computer Science)

Western University, London, ON | Expected 2028

Leadership: Project Director, Computer Science Undergraduate Society (CSUS) | 2026-Present

Work Experience

Software Developer (Accessweb Corporation) Toronto, ON | May–August 2025

- Handled requirements gathering for a new law-firm client and developed the first website prototype from scratch, receiving their approval
- Moved the project to WordPress with my manager after the client requested additional features, making the new functionality easier to implement
- Documented client requirements, completed work and version history to ensure a smooth project handoff to another developer at the end of the internship

IT Technician (Accessweb Corporation) Toronto, ON | July–August 2024

- Provided first-line support via calls and emails, diagnosing and resolving user issues or escalating complex cases to senior technicians
- Remotely renewed certificates across employee devices for several large clients, restoring access to remote-work virtual machines
- Configured new and replacement computers with operating systems and remote-support software for client use

Projects

EchoLight | *Python, NumPy, SciPy, Java, REST API* ElleHacks 2026

- Developed a real-time audio detection system in Python using NumPy, SciPy and sounddevice to identify sirens and alarms through frequency analysis
- Helped integrate the audio, backend and frontend components and led preparation of the final pitch, delivering a working prototype within 48 hours

Phoenix Robot | *Java, Leadership, Robotics* FIRST Tech Challenge 2023

- Led robot development and wrote all its Java code, including controls for the mecanum drivetrain, servos, arm and autonomous period
- Simplified the robot's arm design and adjusted the autonomous code between matches, contributing to a **place 1st-place regional finish** and provincial qualification

Technical Skills

- **Programming Languages:** Java, Python, C, HTML/CSS, JavaScript, ARM Assembly
- **Tools/Technologies:** Git, GitHub, GitLab, Linux, WordPress, REST APIs, NumPy, SciPy
- **Certifications:** Responsive Web Design (FreeCodeCamp)