

# Tony Li

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## EDUCATION

### Western University

*Honours Specialization in Computer Science*

London, ON

*Class of 2028*

- Cumulative GPA: 94.55%, Major GPA: 98.0%, Dean's Honor List

- Courses: Algorithms (100%), Logic and Computation (97%), Software Tools and Systems Programming (99%), Software Engineering (95%), Discrete Structures (95%), Data Structures (100%), Comp Sci Fundamentals (100%)

### Ivey Business School

*Honours Business Administration*

London, ON

*Class of 2028*

## TECHNICAL SKILLS

**Languages:** Java, Python, JavaScript, C, SQL, HTML/CSS, R, LaTeX

**Frameworks & Libraries:** JUnit, React, Tailwind CSS, Playwright

**Tools:** Visual Studio Code, Eclipse, IntelliJ, PyCharm, Git, Node.js, RStudio, Microsoft Excel, Access

## EXPERIENCE

### Productions Crew Member

Sept. 2024 – Present

*Western University Students' Council (USC)*

London, ON

- Integrated end-to-end audiovisual systems and operated them in **live environments**, diagnosing failures by tracing signal paths to isolate **root causes**, keeping systems stable and highly available.
- Collaborated closely with coworkers, touring technicians, and event clients to adapt Western's audiovisual systems to specific event requirements and triage real-time technical issues as part of a team, receiving personal recognition from **Alan Walker** after delivering his sold-out concert to **1,200+** attendees.
- Owned technical operations during live events as the sole operator, working independently in high-pressure environments where any failure was immediately user-visible, and delivered complex, coordinated productions to **1,000+** attendees.
- Identified a low-engagement event and pivoted a passive trivia format into an active karaoke session, working with Western executives to rapidly redesign the program, increasing attendance from 3 to **75+** participants.

## PROJECTS

### Canada Computers Stock Tracker [🔗](#) | *JavaScript, Node.js, Playwright, Axios, HTML, Discord Webhooks*

- Designed an automated stock-tracking tool in **Node.js/JavaScript** that monitors product availability and sends **real-time** stock alerts.
- Refactored the codebase into **reusable modules**, using environment variables and **change-detection logic** to improve maintainability and output clarity.
- Used **Playwright** to automate browser interactions and parse inventory data for any product across all locations.
- Integrated Discord webhooks to deliver real-time notifications, with support for **customized alerts** and priority messaging to user-selected stores.

### QuackHaven [🔗](#) | *Java, JavaFX, JUnit, CSS, JSON, Git, UML*

- Collaborated with my team to design and build a virtual-pet game using **Java** and **JavaFX**, featuring inventory management, save/load game states, parental controls, and an integrated Blackjack-style minigame (QuackJack).
- Implemented backend logic across several core classes, designing **modular components** to support core game functionality and **data persistence**.
- Developed comprehensive **JUnit** tests, covering all major systems and gameplay logic, improving **reliability** and preventing **regressions**.
- Designed the software through **UML** diagrams and detailed **requirements, design, and testing** documentation, defining system architecture and class responsibilities.

### Personal Website: [tony-li.ca](http://tony-li.ca) [🔗](#) | [🔗](#) | *JavaScript, React.js, Tailwind CSS, EmailJS*

- Used **React.js** and **Tailwind CSS** to create my personal portfolio website, deployed with **Vercel**.
- Included a theme toggle and mobile-first navigation menu, enhancing **usability** and **accessibility** for visitors on different devices.
- Implemented a custom contact form that securely sends messages via **EmailJS** configured with environment variables.