

Eric Ni

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EDUCATION

University of Toronto

HBSc in Computer Science, Mathematics, and Statistics + UTMCI Co-op
Major in Computer Science and Statistics

Mississauga, ON
Expected Graduation, May 2028

- **Awards:** Dean's List Scholar 2024
- **Activities:** General and Financial Executive in the Canadian Asian Student Society, 3+ Hackathons
- **Relevant Coursework:** Data Structures & Analysis, Algorithm Design & Analysis, Intro to AI, Software Tools & Systems Programming, Intro to Software Engineering, Intro to Databases, Probability & Statistics

SKILLS

Languages: JavaScript, Java, Python, HTML, CSS, SQL, C, C++, Bash, R, LaTeX

Developer Tools/Frameworks: React.js, Node.js, Express.js, Tailwind CSS, Git, Docker, JUnit, PyTest

EXPERIENCE

SpurHacks Hackathon Participant

HEALense, Frontend Developer | React.js, HTML, Tailwind CSS

June 2025
Waterloo, ON

- Developed a seamless frontend interface across 3+ pages with responsive design, including homepage, about page, and contact form using **React.js**, **HTML**, and **Tailwind CSS**
- Implemented real-time camera integration and photo bounding box visualization system in a team of 2, enabling users to capture images and receive AI-powered object detection feedback, using **JavaScript APIs**

Warehouse Associate

PCF Souvenirs

June 2022 - September 2022
Toronto, ON

- Collaborated with a team of 5 to manage high-volume inventory operations, resulting in **23%** productivity gains
- Trained new hires on warehouse protocols while managing high-volume operations, ensuring seamless integration

PROJECTS

CoverSume | React.js, HTML, CSS, Node.js, Express.js, OpenAI API, LaTeX, Docker

- Built a full-stack AI-powered resume and cover letter generator reducing document creation time by up to **90%**, using **React.js**, **Node.js**, and **Express.js**
- Integrated an AI backend that generates **LaTeX** code and converts it to PDF format with an **80%** generation success rate, using **GPT-4o**
- Built **RESTful APIs** with **Express.js** and implemented **CORS** for seamless frontend-backend integration
- Developed a dynamic website featuring multi-section forms, PDF preview/download, and clear feedback for errors using **React.js** and **Tailwind CSS**
- Containerized the full-stack application with **Docker** and deployed to **Render** for reliable production hosting

Personal Portfolio Website | React.js, HTML, CSS

- Built an interactive personal portfolio with **5+** features including parallax scrolling, animations, and a Web3Forms contact system with **100%** deliverability, using **React.js**, **HTML**, and **CSS**
- Implemented responsive design to ensure full compatibility across **15+** devices, such as various desktops, tablets, and mobile devices, using **CSS media queries**

Personal Mysh Terminal | C, Git

- Developed a Bash-like terminal emulator which supports **10+** core shell features including command execution, file operations, and process management, using **C** and **Git**
- Engineered system-level functionality achieving full Unix-like terminal behavior, using POSIX system calls and inter-process communication, more specifically **fork**, **exec**, **pipes**, **signals**, and **sockets**

The Green Defender | C++, Arduino, Sensors

- Created a robotic soil device that ensures proper plant and crop growth using **C++** and an **Arduino**
- Implemented **7+** features, such as soil temperature, humidity, and moisture detection for plant health, as well as motion detection for nearby animals, which resulted in over **\$50** saved annually, using various **sensors**