Eric Ni

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TECHNICAL SKILLS

Languages: JavaScript, HTML, CSS, SQL, C++, Java, Bash, C, Python, LaTeX
Developer Tools/Frameworks: React.js, Spring Boot, Git, JUnit, PyTest

EDUCATION

University of Toronto Expected in 2028
Honors Bachelor of Science *Mississauga, ON*

- Majoring in **Computer Science** and minoring in **Mathematics** and **Statistics**
- Dean's List Scholar 2024
- Activities: General and Financial Executive in the Canadian Asian Student Society, 3+ Hackathons

EXPERIENCE

Notetaker for CSC236 and STA256 September 2024 - Present
University of Toronto *Mississauga, ON*

- Prepared detailed notes for **30+** students with disabilities within 24 hours of the lectures, assisting them with their learning and interests

DECA Marketing Competitor October 2022 - April 2023

- Developed marketing strategies for various fictional city-based businesses in a team of 2
- Led planning and execution of marketing goals while under time constraints, using data-driven decisions to qualify for Provincials (**top 10%** of competitors)

Warehouse Associate June 2022 - September 2022
PCF Souvenirs *Toronto, ON*

- Collaborated in a 5-person team to manage high-volume inventory stocking and order fulfillment in a fast-paced environment
- Led various warehouse operations, resulting in concurrent **23%** productivity gains and **99%** order accuracy.
- Excitedly and patiently trained new hires on warehouse protocols and procedures

PROJECTS

Personal Portfolio Website May 2025

- Created an interactive personal portfolio using **React.js** and **HTML/CSS**
- Implemented **5+** visual features, most notable parallax scrolling, smooth animations, and a Web3Forms contact system with 100% deliverability

Personal Mysh Terminal February 2025 - April 2025

- Developed a Bash-like terminal emulator in **C** implementing **30+** core shell features
- Engineered system-level functionality using POSIX system calls and inter-process communication, which include fork, exec, pipes, signals, and sockets
- Built custom parsers for command line processing using tokenization of input, pipes, and background processes

The Green Defender March 2025

- Created a robotic soil device that ensures proper plant and crop growth using **C++** and **Arduino** boards.
- Implemented **7+** features, such as soil temperature, humidity, and moisture detection for plant health, as well as motion detection for nearby animals.
- Resulted in **$70**+ saved per household annually.

Paint Application October 2024 - November 2024

- Created an application that mimics various features of Windows paint using **Java** and **Git**
- Led the weekly meetings discussing bugs and functionalities
- Used various design patterns such as MVC, Factory, and Observer, which improved efficiency and readability by over **70 %**