

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, TypeScript, Java, Python, HTML, CSS, SQL, C, C++, Bash, R, LaTeX

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

EXPERIENCE

MarkiTech

September 2025 - Present

Backend Software Developer Intern | JavaScript, Node.js, Express, Mongoose, Docker, Jest

Toronto, ON

- Developed **RESTful APIs** using **Node.js** and **Express** with **MongoDB/Mongoose** schemas, incorporating CSV file parsing for data ingestion to streamline frontend and database communication
- Created comprehensive unit test suite for backend database validation, with **20+** test cases for **4+** separate **MongoDB** databases, using **Jest**
- Containerized the backend with **Docker** and deployed to **Render** for scalable, zero-ops production hosting

PCF Souvenirs

June 2022 - September 2022

Warehouse Associate

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, OpenAI API, LaTeX, Docker

- Built a full-stack AI-powered resume and cover letter generator that reduces document creation time by up to **90%**
- Designed and integrated **RESTful APIs** and the **GPT-4o LLM**, which processes user input to generate structured **LaTeX** code and manage the conversion to PDF, maintaining a **70%** success rate, using **Node.js** and **Express**,
- 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

HEALense | **SpurHacks Hackathon Participant** | React.js, HTML, Tailwind CSS

- Developed a seamless frontend interface across **3+** pages with responsive design, including the homepage, analysis page, and login page, 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

Personal Portfolio Website | React.js, HTML, CSS

- Built an interactive personal portfolio with **5+** features, including various animations and a contact system, using **React.js**, **HTML**, and **CSS**
- Implemented responsive design to ensure full compatibility across **20+** devices, such as various desktops, tablets, and mobile devices, using **CSS media queries**

Paint | Java, Git, Ollama LLM API

- Developed a paint application which supports **10+** core drawing and coloring features, using **Java** and **Git** version control
- Integrated AI **Ollama LLM API** to interpret user prompts and output them to the canvas and files