

KEVIN HU

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EDUCATION

University of Toronto (St. George)

Sep 2022 - May 2027

BSc, Computer Science, Co-op (Arts & Science Internship Program)

Toronto, ON

- Relevant Coursework: Data Structures and Algorithms, Object Oriented Programming, Software Design, Introduction to Software Engineering, Operating Systems, Computer Organization, Intro to Artificial Intelligence

SKILLS AND TECHNOLOGIES

Languages: TypeScript/JavaScript, Python, C/C++, Java, HTML/CSS, SQL, Bash, Assembly

Frameworks: React, Next.js, Vue, Flask, Spring Boot, Express, Tailwind CSS, Jest, JUnit, Pytest, Bootstrap, ChakraUI

Libraries/Tools: Node.js, TensorFlow, PostgreSQL, MongoDB, Socket.IO, Git, Postman, AWS, Azure, Jenkins, Docker

EXPERIENCE

Software Engineer Intern

May 2025 - Dec 2025

PointClickCare

Mississauga, ON

- Built new features for the company's flagship AI initiative using **Java** with **Spring Boot**, **Microsoft SQL Server**, and **React**, enhancing patient risk management and helping nursing facilities reduce patient falls and pressure ulcers by **20%**
- Developed a company-wide security automation tool using **Java** with **Spring Boot** and **GraphQL**, reducing security triage workloads by about **70%** and strengthening security across all production services
- Migrated legacy **Power BI** dashboards to a **React** web application, resulting in a **45%** improvement in load performance
- Monitored and diagnosed backend service health using **Jenkins** and **Kibana**, contributing to **CI/CD pipeline** stability and supporting bi-weekly deployments for **3** production backend services
- Created an AI discharge report assistant during annual hackathon, improving patient health literacy and medication adherence
- Wrote unit tests using **JUnit** and **Mockito** to maintain **90%** testing coverage

Full Stack Developer

Sept 2024 - April 2025

Mengalo

Toronto, ON

- Developed a **React** web application to support and streamline AI chatbot training processes, improving accuracy by **35%**
- Led the introduction of new features and UI enhancements in the web application using **JavaScript**, **Tailwind CSS**, **Node.js**, and **PostgreSQL**, improving customer service efficiency for **10,000+** active users
- Integrated **Google Charts** to visualize customer inquiry data, providing insights for better AI model adjustments

Software Engineer Intern

Jun 2024 - Aug 2024

Digital Cloud Service Pte. Ltd.

Jingan, Shanghai, China

- Designed and integrated a network report generator in **React** for **200** hotels, enabling network metric and health visualization with **Ant Design** charts and reducing manual report creation time by about **80%**

PROJECTS

Caspr | *React, Next.js, TypeScript, Firebase, Three.js, Tailwind CSS, Jest, Figma*

- Partnered with **U of T's machine learning research lab** to build a web app to visualize and compare AI agent and human reasoning processes, helping researchers improve AI's forecasting capabilities
- Enabled users to upload, share, and explore causal data diagrams, securely stored in **Firebase** for seamless access
- Designed a user-friendly and responsive frontend using **React**, **Next.js**, **TypeScript**, and **Tailwind CSS**
- Wrote unit tests using **Jest**, providing code coverage for **90%** of the app

GoodEats | *Python, Flask, TensorFlow, React*

- Developed an app that combines **React**, **Python**, **Flask**, and machine learning to determine the freshness of a fruit
- Trained a **TensorFlow** model over a fruits dataset to analyze the freshness of a fruit with **92%** accuracy
- Implemented endpoints with Flask to allow pictures of fruits to be sent to the classification model

Subhub | *React, Next.js, TypeScript, MongoDB, Tailwind CSS, AWS, Heroku, Socket.IO*

- Built a subletting platform with **Next.js**, **MongoDB**, and real-time messaging using **Socket.IO**, connecting **350+** students
- Integrated **Google Maps API** for interactive, location-based listing discovery
- Implemented **JWT** authentication and **AWS S3/CloudFront** distribution for secure image uploads and fast content delivery