KEVIN HU

kevinh.hu@mail.utoronto.ca | linkedin.com/in/kevinhu04 | github.com/kev0921 | +1(647) 967-3453 | Toronto, ON

EDUCATION

University of Toronto (St. George)   Sep 2022 - May 2026
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, Software Tools and Systems Programming, Theory of Computation, Computer Organization

SKILLS AND TECHNOLOGIES

Languages: TypeScript/JavaScript, Python, C/C++, Java, HTML/CSS, SQL, Assembly
Frameworks: React, Vue, Flask, Express, Tailwind CSS, Jest, JUnit, Pytest, Bootstrap, ChakraUI, AWS
Libraries/Tools: Node.js, Next.js, TensorFlow, PostgreSQL, Upstash Redis, MongoDB, Pusher, Git, Postman, SwaggerUI

EXPERIENCE

Full Stack Developer   Sept 2024 - Present
Mengalo   *Toronto, ON*

- Developed a **React** web application to support and streamline AI chatbot training processes, improving accuracy by ∼**136%**
- 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 over **10000+** active users
- Integrated **Google Charts** to visualize customer inquiry data, providing insights for better AI model adjustments

Software Developer 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 ∼**80%**
- Created **Vue** dashboards for managing room status and cleaning schedules, increasing housekeeping operation productivity
- Developed a ticket filing system in **Vue**, allowing hotel management teams in **160** hotels to efficiently send work orders

Software Developer   Jul 2023 - Mar 2024
Orchard Family Dentistry   *Burlington, ON*

- Constructed and maintained a new website using **React** and **JavaScript**, increasing website user base by over **100 monthly**
- Simplified and improved the UI/UX design using **Tailwind CSS**, increasing the website's conversion rate by **20.2%**
- Utilized Tailwind's responsive design utilities to ensure seamless content display across all device types, achieving ∼**95%** device compatibility and boosting mobile traffic by **18%**

PROJECTS

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

- Partnered with **UofT'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*

- Built 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

MelodyMatch | *Python, Spotipy, Tkinter, Bottle*

- Engineered an app to provide song recommendations tailored to a user's top 50 most listened to songs on Spotify
- Collected and aggregated user's song listening data using the **Spotify Web API**
- Designed and implemented a **decision tree-based** recommendation algorithm, achieving **85%** user satisfaction

CERTIFICATES

Cloud Computing Foundations | *Coursera, Duke University*   Issued: July 2024