

KEVIN HU

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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, 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, Ant Design, AWS

Libraries/Tools: Node.js, Next.js, TensorFlow, PostgreSQL, Upstash Redis, MongoDB, Pusher, Git, Postman, SwaggerUI

EXPERIENCE

Software Developer Intern

Jun 2024 - Aug 2024

Digital Cloud Service Pte. Ltd.

Jinan, 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 **~300%**
- 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%**

Web Developer

Nov 2022 - Apr 2023

Rotman Commerce Human Resources Association

Toronto, ON

- Built and deployed the club's website using **HTML**, **CSS**, **JavaScript**, **Bootstrap**, and **React** to display club information and events, leading to an increase of **~30%** in club membership
- Led the web development team to introduce new interactive components and redesign existing ones, enhancing user experience and significantly improving overall club engagement

PROJECTS

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

TextMe | TypeScript, Upstash Redis, React, Next.js, Node.js, NextAuth.js, Tailwind CSS, Pusher

- Constructed a real-time messaging web application with a **RESTful** back-end using **Node.js** and **Upstash Redis**
- Implemented an authentication system for the database using **NextAuth.js** and **JWT** to protect user data
- Enabled real-time, bidirectional communication between web clients using **Pusher**

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