

KEVIN HU

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EDUCATION

University of Toronto

Sep 2022 - May 2026

Bachelor of Science in Computer Science

Toronto, ON

- Relevant Coursework: Data Structures and Algorithms, Object Oriented Programming, Software Design, Software Tools and Systems Programming, Introduction to the Theory of Computation, Arts & Science Internship Program
- Achievements: 2023 Later Life Learning OSOTF Award, Dean's List 2023

SKILLS AND TECHNOLOGIES

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

Frameworks: Flask, Express, Tailwind CSS, Bootstrap, ChakraUI

Libraries/Tools: React, Node.js, Next.js, Upstash Redis, MongoDB, Pusher, NextAuth.js, TensorFlow, Git, Postman, Pandas

EXPERIENCE

Software Developer

Jul 2023 - Mar 2024

Orchard Family Dentistry

Toronto, ON

- Constructed and maintained a new website using **React** and **JavaScript**, increasing website user base by **200 monthly**
- Simplified and improved the UI/UX design using **Tailwind CSS**, leading to a **50%** increase in the website's conversion rate
- Utilized Tailwind's responsive design utilities to ensure seamless content display across all device types, achieving **95%** device compatibility and boosting mobile traffic by **25%**
- Communicated with the marketing team to ensure UI/UX design parity with marketing materials

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 a **75% increase** in club membership
- Led the web development team to introduce new interactive components and re-design existing components to enhance user experience, achieving a significant improvement to 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
- 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**
- Engineered a user-friendly interface using **React**, **TypeScript**, and **Tailwind CSS**
- Implemented an account system using **NextAuth.js**
- Enabled real-time, bidirectional communication between web clients using **Pusher**

CSCShell | *C*

- Developed a shell similar to POSIX sh and BASH using **C**
- Implemented common shell features and functions using string parsing and concurrency

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**
- Implemented a song recommendation algorithm using decision trees and a data set of a million songs
- Designed an intuitive interface for the application using **Tkinter**