

Alvin Cao

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github.com/AlvinCao88

Experience

Software Developer

May 2024 – Dec 2024

Cineplex Digital Media

Toronto, Ontario

- Led the development of a nationwide medal counter app for CF Malls during the Olympics, deployed on **100+** digital screens, resulting in an 10% increase in user engagement.
- Collaborated with UX designers using JSON data parsing to optimize content placement, enhancing UI clarity and consistency
- Implemented critical updates to the LCBO application, enhancing functionality and user experience, contributing to a **30%** increase in sales performance
- Maintained and contributed across **48+** client-facing applications, taking ownership of feature development, bug fixes, and deployments in a fast-paced Agile environment

Projects

Fake:It | JS, Python, React, API

github.com/AlvinCao88/Fake-It

- Developed an interactive AI system using React and TensorFlow to deliver personalized feedback based on facial expressions and speech tone to enhance and boost the confidence and emotional well-being of students
- Achieved **17th** place ranking out of **300+** hackers with **80+** projects at Hack the Valley 8
- Created a responsive and user-friendly web interface using HTML, JavaScript, and Tailwind CSS to improve the user experience
- Integrated multiple APIs to enhance the functionality of the interactive AI system, allowing it to provide personalized feedback
- Implemented machine learning models with TensorFlow to analyze and interpret facial expressions accurately

Safe Haven | React Native, CMS, JS

github.com/AlvinCao88/c01w24-project-Safe_Haven

- Designed and developed a React-native app to enhance and implement other features requested by a non-profit organization crohnsandcolitis.ca
- Integrated a headless Content Management System for better back-end management for tiered partners
- Improved the UI and user experience to ensure smooth interaction between different scenes by **60%**

Stocker | SQL, Next, JS *Stock and friend application*

github.com/AlvinCao88/stocker

- Developed a full-stack social platform centered around stock sharing and analysis using **Next.js**, **Express.js**, and **PostgreSQL** in a team of two over three weeks.
- Built user authentication, friend-following features, and stock history tracking with API endpoints and relational data modeling.

Technologies

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

Tools: Git, Jira, Confluence, Docker, Jenkins

Technologies: Linux(arch/mint), GitHub, TensorFlow, React, Nextjs, Vercel

Education

University of Toronto

Sept 2022 – Present

Honours Bachelor of Science in Computer Science Specialist

Relevant Coursework: Data Structures, Algorithms, Operating Systems, Databases, Machine Learning

Expected graduation: November 2026