Tyler Han

Full Stack Software engineer

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TECHNICAL SKILLS

JavaScript, Python, React, Flask, Express, Redux, HTML, CSS, SQL, AWS, Sqlite3, Git, Sequelize, Docker, Adobe

PROJECTS

Riff Harbor   [live](#)∣ [github repo](#)

Capstone Project on e-commerce.

- Optimized data schema and backend handling using **SQLAlchemy** and **Flask**, improving database performance and enhancing both frontend and backend efficiency and responsiveness.
- Enhanced user experience (UX) through the implementation of intuitive user interface (UI) designing utilizing **Redux** and **React**, bundled with **Vite**, ensuring efficient data management and production builds.
- Engineered a visually engaging user interface by leveraging custom **HTML5** and **CSS**, seamlessly integrating architectural design principles to enhance user experience.
- Integrated **AWS S3** service into the project infrastructure to enhance flexibility, security and reliability.

Munch!   [live](#) ∣ [github repo](#)

Group Project on a clone of Yelp.

- Collaboratively developed full stack websites alongside a team of three software developers. Utilized **Git** to manage feature branches and promote version control, demonstrating strong teamwork and collaboration skills in software development projects.
- Developed a **Flask RESTful API**, showcasing proficient **Python** capabilities in integrating with front-end applications and improving backend database operations for efficient development cycles.
- Utilized **Flask-WTF** for built-in CSRF protection, enhancing application security.
- Implemented secure user authentication using JSON Web Tokens (**JWT**) with Node.js, enhancing application security and ensuring efficient user access control.

EDUCATION

Full Stack Software Development   App Academy – 2024

Bachelor ∣ Architectural Design   Syracuse University – 2021

WORK EXPERIENCE

Entry-Level Architect   Sep 2022 – Mar 2023

Studio AR&D architects, Los Angeles, CA

- Cooperated with the lead architect and engineering consultants to produce full sets of construction documents, 3D model, and other deliverables. Participated in over 15 architectural projects.
- Developed critical thinking, efficient time management, and multitasking skills. Enhanced adaptability by integrating new technologies into architectural design workflows.

Research Assistant   Feb 2020 – May 2020

Syracuse University, Syracuse, NY

- Designed a community center for the urban renewal project, completed in October 2020. It became a beloved local gathering place. Assisted with research, construction documents, and presentation materials.