Yucheng "Tyler" Han

Full Stack Software engineer

315-876-8907 | tylerhan1226@gmail.com | Menifee, CA | [LinkedIn](#) | [Github](#) | [Portfolio](#) | US Citizen

TECHNICAL SKILLS

JavaScript, Python, React, Redux, Flask, Node.js, HTML, CSS, PostgreSQL, SQLAlchemy, AWS S3, Git, Adobe

PROJECTS

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

- Deployed a full-stack E-commerce application, optimizing the instrument shopping experience. Implemented features such as seamless browsing, shopping carts, archiving, and efficient checkout processes.
- Leverage **SQLAlchemy** to create models representing database tables, streamlining interactions with a **PostgreSQL** database, ensuring efficiency, flexibility and consistency. Integrated **AWS S3** service into the project infrastructure to enhance flexibility, security and reliability.
- Improved user experience (**UX**) by designing an intuitive user interface (**UI**) using **React.js**, **Redux**, and **Vite**. Leveraged **Redux** Toolkit for efficient state management and seamless data handling. Developed a visually engaging **UI** that adhered to **architectural design and frontend design principles**, providing engaging and intuitive user experience in browsing, filtering, adding/editing instruments and checkout.
- Deployed a static website on **Render**, leveraging GitHub integration for seamless deployment.

Munch!   [live](#) | [github repo](#)

- Developed a full-stack Yelp-inspired application collaboratively with a team of four software engineers. Participated from database designing to backend/frontend building. Facilitated user experience in contributing to the platform by adding, updating restaurants and menus.
- Built a robust **RESTful API** with **Flask,** a lightweight web **Python** web framework, showcasing proficiency in backend development with **Python**. **Flask**'s simplicity and flexibility allow efficient development cycles and smooth integration with database and the frontend. Enhanced security by utilizing **Flask-WTF** for handling web forms. Implemented **Google OAUTH** for user authentication providing secure and seamless experience for users. Leveraged **Jinja2** as a templating engine, which is flexible in creating dynamic **HTML**.
- Implemented a dynamic user interface (**UI**) using **React.js** integrated with **Redux**, allowing reliable and intuitive user experience in browsing, manipulating restaurants based on different user identities.

EDUCATION

Full Stack Software Development   App Academy – *September 2023-May 2024*

Bachelor | Architectural Design   Syracuse University – *June 2015-May 2021*

WORK EXPERIENCE

Entry-Level Architect   *September 2022 - March 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   *February 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.