FANGRU ZHOU
Software Engineer

(858) 952-9930   fangruz@gmail.com   San Diego, CA   **PORTFOLIO**   **GITHUB**   **LINKEDIN**

SKILLS

React, Redux, Javascript, Python, Java, Flask, HTML, CSS, SQL, Git, Express.js, Node.js, Sequelize, JQuery, SQLAlchemy, AWS S3, Docker, Object-Oriented Programming (OOP), REST, SCRUM, Agile, KanBan, Canva, Github, GIMP, Microsoft Excel

PROJECTS

LIZUVIA (Flask, ReactJS)   live | github

Lizuvia is a website clone inspired by PotteryBarn. It's an e-commerce platform specially for home decoration products.

- Produced the product listings' **user-interface (UI)** using React, **CSS3** and user-centered design techniques , improving usability and user retention.
- Designed a conditional editing based on the time of order placing, using **React** to conditionally render the edit form depending on the local state, allowing users to edit their orders inside the order details page component.
- Implemented custom searching and sorting to facilitate product searches throughout the site using **Flask-SQLAlchemy**.
- Utilized **AWS S3** to implement product image uploads reducing server load, allowing for scalability of image services and reducing the likelihood of data loss.

LEGENDHOOD (Flask, ReactJS)   live | github

Legendhood is a Robinhood clone that displays live stock data and replicates the functionality of buying and selling stocks.

- Designed and created custom backend table modals using **Python Flask**, allowing for efficiently returned JSON data.
- Processed and displayed real-time stock price data by leveraging **Finntech stock API** and Alpha-Vantage stock news API
- Displayed stock price data charts with **Chart.js** library to visualize large stock information datasets.
- Implemented custom search for searching through stocks using **SQLAlchemy** query.
- Included convenience methods for rapidly converting CSV files to JSON files using **Python**.
- Designed and developed a movement-based animation using **CSS3** on the splash/home page.

SIMPLYBNB (Express, ReactJS)   live | github

A web app inspired by Airbnb, built with Sequelize, React, Redux, HTML5, and CSS3

- Configured the **Node** backend, using **Sequelize ORM** for validation and database queries.
- Managed scheduling a booking CRUD using **Express** backend framework to handle possible conflict bookings.
- Integrated **Google Maps API** to dynamically present booking locations based on user parameters.

EXPERIENCE

Heart To Heart Gifts, Inc   **San Diego, CA**

Financial Manager   Mar 2015 - Mar 2021

- Developed multi-channel sales ideas, bringing business revenue from 1M to 6M.
- Supervised and trained 5 accounting clerks in order to delegate essential administrative tasks and optimize productivity.
- Developed cost savings ideas, resulting in advertising cost reduction of 50%.
- Prepared financial reports, financial forecasts and statements to understand the financial state of business, and using this data to assist and advise management on important financial decisions.

Accountant   Oct 2012 - Mar 2015

- Analyzed and maintained a system of accounting records and a comprehensive set of controls designed to mitigate risk.
- Tracked and managed sales and expenditures in excess of $5 million annually.
- Accountable for the integrity of financial statements to the bonding company and management.

EDUCATION

Software Development / Web Development - *App Academy* | *Sep 2022*
Master of Science in Accountancy - *San Diego State University* | *May 2012*
Bachelor of Business Administration in Marketing - *Beijing, China* | *July 2007*