

Katherine Mai

Software Engineer @ Austin, TX | [LinkedIn](#) | [Github](#) | [Portfolio](#) | Katherineplmai@gmail.com

Skills

Javascript, Typescript, Python, React.js, Redux.js, HTML (HTML5), CSS (CSS3), Node.js, SQL, PostgreSQL (Postgres), SQLite, Sequelize, Express, Flask, SQLAlchemy, Postman, Insomnia. API Development, AWS S3, Mocha, Xcode, Emulation, Web Development, Git, Software Development, Debugging, Test Development, Pair Programming, Responsive Design, Object-Oriented Programming (OOP), RESTful API, Leadership, Communication, Problem Solver, Microsoft Word, Microsoft Excel, Power Point

Projects

LinkedUp (Javascript, Python, HTML5, CSS, React, Redux, Flask, SQLAlchemy), 01/2023 - 07/2023

[live](#) | [github](#)

Full-stack clone of LinkedIn, a professional networking web application to connect with colleagues, classmates, and friends

- Implemented the front-end using React and Redux for building reusable UI components, such as the individual posts and comments, and managing the application's state.
- Created a RESTful API using Python and Flask to handle the back-end logic and database operations for creating, reading, updating, and deletion (CRUD) of posts, likes, following and comments.
- Studied and utilized the Boto3 library to seamlessly integrate Amazon Web Services (AWS) S3 buckets into the application, improving the user experience (UX) for uploading images while also reducing server load.

RocketHood (Javascript, Python, HTML5, CSS, React, Redux, Flask, SQLAlchemy), 12/2022 - 12/2022

[live](#) | [github](#)

Full-stack clone of Robinhood, a trading platform with live charts to buy/sell assets

- Leveraged the AlphaVantage API and Yahoo Finance API to source accurate real-time stock data to simulate the purchase and selling of stocks.
- Utilized Flask for backend logic to handle database operations to track user's news preferences, watchlists, and stocks.
- Collaborated in an Agile workflow with four software engineers to plan and prioritize project tasks for deployment.
- Ensured the successful completion of a Minimum Viable Product (MVP) with extra features within a two-week sprint.
- Utilized Git for version control.

notAirBnB (Javascript, HTML5, CSS, React, Redux, Flask, Sequelize, PostgreSQL), 10/2022 - 11/2022

[live](#) | [github](#)

Full-stack clone of Airbnb, a popular vacation booking web application and an alternative to hotels

- Implemented backend using Sequelize ORM for the intuitive creation of rental postings, wish lists, reviews, and booking.
- Utilized CSS media queries, CSS flexbox and CSS grid to integrate responsive design that adapts for all screen sizes.
- Researched and implemented Google's Maps Javascript API for the integration of interactive, deeply customized maps
- Incorporated React Context to implement dynamic modal display throughout the entire site, improving user experience with a modern design.

Work Experience

SunnySide, *Software Engineer Volunteer*, 12/2023 - present

- Developed and implemented a user-friendly mood journal date range selection component using React Native.
- Collaborated with designers to gather requirements and design specifications for seamless integration.

Whole Foods, *Store Support Associate*, 10/2021 - present

- Proactively provide recommendations to customers' preferences and needs based on popularity and high-quality ingredients.
- Resolved unexpected challenges such as inventory discrepancies and customer complaints through problem-solving and communication strategies.

Elevation, *Internal Sales*, 09/2020 - 10/2021

- Built trust with potential customers, resulting in a 30% increase in customer conversion rates.
- Conducted competitive analysis to gain insights on competitors' in order to better articulate clear advantages of our solar solutions over competitors' improving conversation rates.

Education

App Academy, Computer Science and Full-Stack Software Engineering, 08/2022 - 02/2023

University of Texas at Austin, Bachelors of Science, Major in Neuroscience, Minor in Computer Science, 08/2019 - 05/2025

- Organizations: Rewriting the Code (RTC), Girls Who Code (GWC)