Michael Lee - Software Engineer

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Skills

Programming Languages: JavaScript, TypeScript, Python, HTML, CSS, SQL

Frameworks: React.js, Express.js, Apollo, Django, Flask

Technologies: Redux.js, Vite, GraphQL, Git, PostgreSQL, SQLite3, Sequelize, SQLAlchemy, Unix/Linux, AntDesign

Experience

Apero Health (Y Combinator) - *Software Engineer*   **May 2023 - Jul 2023**
- Worked as a Full Stack Software Engineer in a fast-paced startup, leading end-to-end feature development with expertise in React, TypeScript, Django, Python, and GraphQL. Collaborated seamlessly with cross-functional teams to ensure smooth production deployment, prioritizing code quality and performance. Proven track record of delivering innovative and scalable solutions on time, adept at working collaboratively in a team-oriented environment.
- One solution was the implementation of a dynamic forms layout in response to client request that allowed the clients to create their own forms with their own sections and different inputs similar to Google forms. This project was completed in only 4 days and presented in a demo to prove functionality.

Northwestern Mutual - *Financial Planner*   **Jan 2022 - Jul 2022**
- Led a financial planning practice under Northwestern Mutual providing a comprehensive financial plan for high networth clients which included organizing client and prospective client finances in the millions so they could save time and money, and reduce the amount they pay in taxes.

Projects

Lister (JavaScript, React / Redux, Python, Flask, SQLAlchemy, HTML5, CSS3, PostgreSQL)   Live Link | GitHub

Description: Clone/Inspired Website of MyAnimeList
- Designed and developed Lister, a minimalistic clone of MyAnimeList, focusing on essential features and eliminating ads and extraneous content, in response to dissatisfaction with the original platform.
- Utilizing CRUD (Create, Read, Update, Delete) operations for key features such as live chat, followers, anime lists, and reviews, providing users with a simple and intuitive experience for managing their watchlists.
- Implemented React/Redux for the front end to manage the application's state and provide a dynamic and user-friendly interface, while Flask and SQLAlchemy were used for the back end to handle server-side operations and manage the PostgreSQL database.
- Applied a third-party API to retrieve and display information related to anime, such as title, release date, and synopsis, allowing users to easily find and add anime to their lists.

HangersAcademy (JavaScript, React / Redux, Python, Flask, SocketIO, SQLAlchemy, HTML5, CSS3, PostgreSQL)   Live Link | GitHub
Description: Clone of Discord
- Inspired by discord channel of alumni of App Academy's coding bootcamp, providing a virtual space for friends to "hang out" together.
- Hangers Academy is a website cloned/inspired by Discord and can be used to send messages in channels that are listed under public servers and private servers.
- Collaborated with a cross-functional team to develop HangerAcademy's features and functionalities in just one week, using agile methodologies and a collaborative work environment.
- Utilized SocketIO to implement web sockets for live chat functionality in the messages, providing a seamless and responsive experience for users.

TheBnB (JavaScript, React / Redux, Express.js, Sequelize, HTML5, CSS3, PostgreSQL)   Live Link | GitHub
Description: Clone of AirBnB
- Initiated and completed first full-stack web development project, a pivotal experience that laid the foundation for future projects and work, providing valuable learning opportunities in applying fundamental concepts.
- Developed core features such as creating, reading, editing, and deleting spots (listings), reviews, bookings, and spot images using Express to handle server-side operations and manage the back end of the application. As well as login and signup functionality to authenticate users and provide a demo user for testing purposes.
- Worked in an agile development environment and followed Scrum methodology for project management and participated in daily stand-up meetings, retrospectives, and demos to continuously improve the development process.
- Utilized popular React libraries and npm packages such as react-date-range to add additional functionality to the calendar for bookings and enhance the user experience

Education

University of Texas at Austin   **Aug 2024 - Dec 2025**
- **Degree**: Master's of Science in Computer Science, **GPA:** Not yet completed

University of California, Irvine   **Sep 2018 - Jun 2022**
- **Degrees**: Bachelor's in Business Economics and International Studies, **GPA**: 3.4

App Academy   **Aug 2022 - Jan 2023**
- Completed a comprehensive 1000-hour coding boot camp at App Academy, gaining hands-on experience in full-stack development using JavaScript, React/Redux, Python, and Flask.