

ADANNA LIU

SOFTWARE ENGINEER

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PROGRAMMING LANGUAGES • JavaScript • Python • SQL • HTML • CSS

FRAMEWORKS / TOOLS • Flask • React.js • Redux • Express.js • Node.js • AWS • PostgreSQL • Sequelize • SQLAlchemy

PROJECTS

PETMEETER | [Github](#) | [Live](#)

Flask • SQLAlchemy • React/Redux • AWS • Socket.io • HTML • CSS

- Designed a **Flask** backend to handle **HTTP** requests and routing, utilizing **Flask-SQLAlchemy** for efficient database management and communication.
- Constructed a dynamic and intuitive user interface using **React/Redux**, allowing users to browse animal listings while maintaining a seamless and responsive experience.
- Incorporated **Socket.io** to facilitate real-time messaging functionality, ensuring a smoother adoption process by enabling seamless communication and collaboration among users through instant message exchange.

FRIENDZONE | [Github](#) | [Live](#)

Flask • SQLAlchemy • React/Redux • AWS • HTML • CSS

- Collaborated effectively with 3 team members through daily stand ups and pair programming, utilizing efficient **Git** workflow to minimize potential merge conflicts and swift resolution of any conflicts that arose.
- Integrated **AWS S3** for image uploads, enabling users to upload and display images within their posts, enhancing the overall visual appeal and user experience.
- Adhered to **Agile methodologies** throughout the project design process, ensuring the successful delivery of a high-quality, functional product that met all project requirements.

ANIMEBNB | [Github](#) | [Live](#)

Express • Sequelize • React/Redux • HTML • CSS

- Implemented a robust backend using **Express.js**, creating RESTful APIs to handle user authentication, listing creation, and review management.
- Leveraged **Sequelize** as an ORM (Object-Relational Mapping) tool to establish a secure and efficient database layer, ensuring smooth data retrieval and manipulation.
- Utilized **HTML/CSS** to create an intuitive and visually appealing user interface, ensuring a responsive and engaging experience for users navigating the Airbnb clone project.

EXPERIENCE

BAKERY SERVICE TEAM MEMBER • *Whole Foods* • Baltimore, MD

02/2021 – 10/2022

- Thrived in a fast-paced environment, efficiently fulfilling customer orders and maintaining a high level of productivity to meet daily production goals while accurately monitoring and managing bakery inventory.
- Demonstrated flexibility by seamlessly adapting to various roles and responsibilities within the team, stepping in to fill gaps and ensure smooth operations during the absence of other team members.

MEDICAL SCRIBE • *ScribeAmerica* • Baltimore, MD

06/2020 – 06/2021

- Proficiently utilized Epic software to accurately input patient information, ensuring meticulous capture of symptoms, diagnoses, and procedures while maintaining patient privacy.
- Maintained a high level of organization and efficiency to support smooth workflow and contribute to effective patient care in a fast-paced environment, enabling the physician to see up to 15 patients per day.

STUDENT RESEARCH ASSISTANT • *University of Pittsburgh* • Pittsburgh, PA

07/2018 – 03/2020

- Collected and analyzed data through behavior testing and histology, contributing to the understanding of pediatric cardiac arrest mechanisms and recovery.
- Effectively communicated research findings through poster and oral presentations at local conferences.

EDUCATION

APP ACADEMY • Full Stack Web Development

Completed 07/2023

UNIVERSITY OF PITTSBURGH • B.S. Biological Sciences • Pittsburgh, PA

2016 – 2020