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 S3 • PostgreSQL • Sequelize •
SQLAlchemy

PROJECTS

PETMEETER | Github | Live   *Flask • SQLAlchemy • React/Redux • AWS S3 • HTML • CSS*
A site inspired by Petfinder where users can browse and post animals for adoption, favorite animals, and save their searches.
- 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.
- Implemented a search bar and category filter feature, enhancing website navigation and optimizing content accessibility for users.

FRIENDZONE | Github | Live   *Flask • SQLAlchemy • React/Redux • AWS S3 • HTML • CSS*
A clone of early Facebook where users can create posts with images, like and comment on posts, and connect with friends.
- Collaborated effectively in a team of 4 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.
- Adhered to **Agile methodologies** throughout the project design process, ensuring the successful delivery of a high-quality, functional product that met all project requirements.
- Integrated **AWS S3** for image uploads, enabling users to upload and display images within their posts, enhancing the overall visual appeal and user experience.

ANIMEBNB | Github | Live   *Express • Sequelize • React/Redux • HTML • CSS*
An anime-themed clone of Airbnb where users can create spots and review other users' listings.
- Implemented a robust backend using **Node.js** and **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 Market* • 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 • *Johns Hopkins Outpatient Center / ScribeAmerica* • Baltimore, MD   **06/2020 − 06/2021**
- Proficiently utilized Epic EMR 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 physicians to see 5-8 more 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 asphyxial cardiac arrest mechanisms and recovery.
- Wrote and edited detailed lab protocols, training new student hires to foster adherence and efficiency.
- Effectively communicated research findings through poster and oral presentations at local conferences.

EDUCATION

APP ACADEMY • Full Stack Web Development   **01/2023 − 07/2023**
UNIVERSITY OF PITTSBURGH • B.S. Biological Sciences • Pittsburgh, PA   **2016 − 2020**
- **Honors:** GPA: 3.91, Summa Cum Laude, Full Merit Scholarship, Phi Beta Kappa