

Diana Le

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SOFTWARE ENGINEER

SKILLS: Javascript, Python, SQL, HTML5, CSS3, React, Redux, Express.js, Express-Validator, PostgreSQL, Flask, SQLite, SQLAlchemy, Git, AWS, Socket.io, Figma, Node.js, Postman, Render, Sequelize

PROJECT EXPERIENCE

UrbanSteps • Javascript • Express.js • PostgreSQL • SQL/Sequelize • React/Redux • HTML5 • CSS3 • Node.js • AWS [Code](#) • [Live](#)

A fullstack application that connects dancers with dance studios that align with their preferred styles and skill levels

- Designed database schema to manage many-to-many relationships between classes and dance styles utilizing PostgreSQL, allowing the user to quickly search and filter for classes or studios based on skill level and style
- Optimized media management of user logos and studio images with AWS S3 to reliably manage user images
- Built wireframes using Figma, designed database schemas with dbDiagramIO, and created comprehensive API documentation to streamline MVP delivery, achieving initial backend API route delivery in under 3 weeks

X-Talk • Python • Flask • PostgreSQL • SQL/SQLAlchemy • React/Redux • HTML5 • CSS3 • AWS • SocketIO • Docker [Code](#) • [Live](#)

A Discord inspired fullstack chat application that supports real-time communication, server management, and user management

- Pioneered a team of 3 in resolving merge conflicts and addressing production deployment challenges in Render such as SQLAlchemy/PostgreSQL migration issues
- Established real-time messaging and instant user-reactions using SocketIO and emoji-picker library to connect a flask-based python backend with a react/redux frontend
- Configured a Docker-based production environment and resolved complex issues related to incompatible Python dependencies

Spirited Get Away • Javascript • Express.js • PostgreSQL • SQL/Sequelize • React/Redux • HTML5 • CSS3 • Node.js [Code](#) • [Live](#)

An Airbnb inspired application with features including user authentication, property listings, booking management, and reviews

- Developed a booking algorithm in Node.js with Express-Validator to enforce unique booking dates, prevent overlaps, and handle time zone differences
- Crafted a custom, reusable star rating component in React that provided instant feedback on user selections and dynamically updated average rating of a spot
- Enhanced automated Postman test suite to include additional edge cases for backend Express.js API routes

WORK / VOLUNTEER EXPERIENCE

Volunteer Program Manager • Asian Pacific Health Foundation • San Diego, CA

May 2021 – Sept 2022

- Led team of 8 program coordinators and 3 interns, streamlining procedures and delivering 2 health screening events per month to the underprivileged communities in San Diego informing patients on their health
- Forged strategic partnerships with external organizations and healthcare providers, enabling success of monthly outreach events to enhance awareness of common public health issues to an average of 20-50 patients per month

Emergency Medicine Scribe • Vituity America/Inscribe at Palomar Health • San Diego, CA

Jan 2019 – May 2022

- Improved average ER patient wait time by 20% through collaborative efforts with nurses, physicians, and physician assistants
- Guided new employees and ER staff through a new medical system for tracking patients' medical histories and visits

Program Coordinator/Medical Outreach Volunteer • Asian Pacific Health Foundation • San Diego, CA

Jan 2019 – June 2021

- Organized monthly free health screenings to underserved populations that tested a variety of health conditions, informing on average 10 to 30+ patients per month
- Created standard of procedure manuals and online training modules to expedite training of incoming volunteers, improving time needed during setup stations at monthly health screenings by 50%

EDUCATION

App Academy

Sept 2024

- Immersive software development course with focus on full stack web development

University of California, San Diego • Bachelor of Science in General Biology, GPA: 3.59 • San Diego, CA

June 2018