

# 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

## 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 the database schema to manage the 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 the 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
- Developed 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 EXPERIENCE

**Emergency Medicine Scribe** • Vituity America/Inscribe at Palomar Health • San Diego, CA **Jan 2019 – May 2022**

- Improved average ER patient wait time on average 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 Manager** • Asian Pacific Health Foundation • San Diego, CA **May 2021 – Sept 2022**

- Lead a team of 8 program coordinators and 3 interns, overseeing diverse projects from inception to completion including educational seminars for health professionals and outreaches for monthly health screenings
- Forged strategic partnerships with external organizations and healthcare providers, enabling the success of monthly outreaches to enhance awareness of common public health issues

**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 test levels of hepatitis B/C, diabetes, cholesterol, hypertension, and osteoporosis, informing on average 10 to 50+ patients per month
- Created standard of procedure manuals and online training modules to expedite training of incoming volunteers, improving the time needed during setup stations at monthly health screenings by 50%

## EDUCATION

**APP ACADEMY** **Completed 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 **Class of 2018**