

Andy Lam

San Diego, CA | (619) 808 - 6663 | andy.h.lam1@gmail.com
linkedin.com/in/andy-h-lam | gitlab.com/andyhlam619

TECHNICAL SKILLS

Programming | JavaScript ES6+, Python3, SQL, CSS, HTML5

System Design | Domain-driven design, Microservices, Monoliths, Message passing, Event sourcing

Back-End | Django 4, PostgreSQL, MongoDB, FastAPI, RabbitMQ

Front-End | React, React Hooks, Websockets, DOM Manipulation, Redux Toolkit

APPLICATION DEVELOPMENT EXPERIENCE

SWÜP | <https://gitlab.com/projectswwp/> | Python, JavaScript, FastAPI, React, PostgreSQL **2023**

Developed an innovative garbage disposal app that streamlines the process for users by creating a centralized platform to post and accept garbage disposal jobs

- Designed the user interface with React.js and the Bootstrap styling library to create a single page application delivering a seamless user experience
- Utilized FastAPI as the back end to ensure a fast, scalable, and reliable web application written in Python with the key feature of automatic API documentation creation
- Implemented front end and back end authentication utilizing JSON Web Tokens in order to authenticate users throughout our application
- Collaborated with the team of 5 to implement CI/CD to ensure efficient deployment of our app on CapRover

CarCar | gitlab.com/andyhlam619/car-car | Python, JavaScript, Django, React, PostgreSQL **2022**

Developed CarCar, a comprehensive single-page automobile dealership management application with a focus on user experience and functionality

- Implemented a back-end using Python & Django, delivering a stable and efficient platform for the microservices of inventory, service center, and sales center
- Designed a user-friendly UI utilizing React.js, incorporating intuitive navigation and visual cues for an improved user experience

Inner View | gitlab.com/andyhlam619/interview-tracker | Python, Django, HTML, CSS **2022**

Developed a web application, InnerView, which improves the interview tracking process for job seekers by offering a centralized platform to manage upcoming interviews and offers

- Implemented Django's built in user authentication and allowed users to manage upcoming interviews through posting, viewing, and editing
- Built the back end of the application using Python & Django and designed the front end with HTML & CSS creating a fully integrated web application

PROFESSIONAL WORK EXPERIENCE

Tandem Diabetes Care | Customer Technical Support Specialist I - II | Del Mar, CA **2021 – 2022**

- Exceeded Tandem Diabetes Care Customer Technical Support metrics by improving and maintaining a quality metric score of less than a 5% error rate and receiving a monthly call monitoring score of +95%
- Ensured work was performed in compliance with company policies including Privacy/HIPAA and other regulatory, legal, and safety requirements

EDUCATION

Hack Reactor | Advanced Software Engineering Certificate **2022 – 2023**

- Committed 1000+ hours of coding in an Agile environment resulting in monolithic mastery and experience in microservice machinations.

University of California San Diego | B.S in Environmental Systems **2020**