

WILLIAM ZHAN SHUM

Software Engineer

626-371-3299 | Mountain View, CA

williamzhan123@gmail.com

[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

TECHNICAL SKILLS

Languages: JavaScript, HTML5, CSS3, Python | **Frameworks:** React, Next.js, Express.js, Flask, Bootstrap, TailwindCSS, JQuery | **Database:** SQL, MongoDB, Firebase | **Server Manager:** AWS, EC2, Nginx, PM2, Git, Github, NPM | **Skills:** Object Oriented Programming, Pair Programming, Test Driven Development

TECHNICAL PROJECTS

DEVBUD. - [Live](#) | [Github](#) | [Video Demo](#) **TECHSTACK:** React, MongoDB, Firebase, Tailwind, Augora WebRTC, AWS
Full-stack all-in-one platform that allows users to network with other developers and work together in the code space.

- Developed a single-page, mobile-first full stack application with TailwindCSS and full CRUD functionality
- Utilized Augora's WebRTC to implement live group chat messaging, live group video calls and screen sharing
- Collaborated with teammate and followed agile methodology to maximize efficiency to complete MVP features
- Utilized Firebase to allow users to upload and store personal profile pictures from their local device

Beyond Real Estate - [Github](#) | [Video Demo](#) **TECHSTACK:** Python, Flask, MySQL, Bootstrap
Full-stack property management application that allows users to organize and manage properties and tenants.

- Designed and developed a mobile-first full stack web application with Bootstrap and full CRUD functionality
- Reduced element repetition and increased render efficiency by using Flask's extend feature on a base HTML template
- Implemented Google Map API and geocoding to allow users to view properties on the map
- Utilized Bcrypt to hash user passwords before database storage for user privacy and created user authorization routes to restrict access

Forkify - [Live](#) | [Github](#) | [Video Demo](#) **TECHSTACK:** JavaScript, HTML, CSS
A dynamic recipe search application that allows users to search, bookmark and create their own recipes.

- Implemented search functionality by fetching via async AJAX requests from an external API
- Utilized the Publisher-Subscriber pattern with event handlers to correctly implement user interactions
- Developed a DOM updating algorithm to render the user interface and views more efficiently and seamlessly
- Used the MVC architecture principles and modules to organize the code base and create a more efficient workflow

PROFESSIONAL EXPERIENCE

Real Estate Agent | Keller Williams Realty | Long Beach, CA 2017-2022

- Advised sellers on the selling process by understanding their goals, providing them with market trends and performing comparative market analysis to offer suitable options based on their needs
- Conducted buyer consultations with potential clients to educate them on the buying process, understand their desires, give them expert advice to provide a hands-on buying experience
- Ensured client satisfaction by serving as the liaison between clients and third-party providers
- Organized and led bi-weekly cold-calling seminars to less experienced agents to improve their skills and techniques

EDUCATION

University of California, Riverside | Riverside, CA 2013-2017
Bachelors of Science in Mechanical Engineering

Coding Dojo – Full Stack Web Development Coding Bootcamp Burbank, CA | 2022

- 16 weeks intensive coding bootcamp: 1000+ hrs of full stack web development

Udemy - The Complete JavaScript Course 2022 Certificate 2021-2022

- Complete modern JavaScript course and tools like NPM, Parcel, Babel and ES6 Modules.