

# WILLIAM ZHAN SHUM

Software Engineer

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[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 extends 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 storing them in the database to ensure 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 provide 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.