

# HOWIE NGUYEN

Riverside, CA

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## EDUCATION

**University of California, Riverside**

*Bachelor of Science in Computer Science*

**Sep. 2021 – June 2023**

*Riverside, California*

## TECHNICAL SKILLS

**Languages and Frameworks:** C++, Java, Typescript, HTML/CSS, JavaScript, React, Git Swift, Kotlin. Postgres SQL, Typescript, MongoDB

**Developer Tools:** VS Code, Xcode, IntelliJ. Arduino, Postman, Docker

## EXPERIENCE

### SIZZLE

**July 2023 – Present**

*Web Developer*

*Riverside, California*

- Developed the Dietitian Dashboard using React and Typescript, streamlining clinicians' access to patient data via user-friendly timelines, detailed charts, and organized data cards.
- Refactored the UI state management using React Redux Toolkit, adhering to the Flux design pattern, which led to a reduction in dashboard load times by 20%, significantly improving user interaction responsiveness.
- Implemented advanced search and filtering, reducing patient data retrieval times by approximately 15 minutes per encounter, streamlining workflow for clinicians.
- Utilized SCSS to design clear typography and select a cohesive color theme, ensuring readability and brand consistency.

### SIZZLE

**Sep 2022 – May 2023**

*IOS Developer*

*Riverside, California*

- Collaborated in a cross-functional team of 4 to create a versatile, cross-platform app facilitating communication between dietitians and patients for gut health and weight management.
- Utilized Kotlin multiplatform technology for native app development across Android, iOS, and web platforms, enhancing accessibility and scalability.
- Built a secure messaging feature with MongoDB, handling login, registration, and messaging interfaces. Implemented backend logic for API calls and WebSocket integration, ensuring efficient data flow.
- Generated weekly documentation (20+ documents) on database structure, software, and network issues, ensuring project organization and accessibility for the team.

## PROJECTS

**Real-time Chat Application** | *MongoDB, React, Express.js, Node.js, Heroku, Netlify*

**June 2023**

- Crafted a real-time chat application using the Component-based Architecture to achieve modular and maintainable design. Integrated interactive elements chat bubbles, reactions, and emoji selectors
- Designed a chat application utilizing the Repository pattern for streamlined and maintainable MongoDB database interactions.
- Integrated the UI with 18 back-end API endpoints, ensuring synchronous communication between the front and back end, resulting in real-time updates and instantaneous message delivery.
- Enhanced UX by incorporating features like infinite scrolling for chat history, on-the-fly image and media previews, and real-time user typing indicators.

**Calendar Exercise Logger (GymBois)** | *React Native, Firebase, Javascript, Expo Go*

**May 2023**

- Designed a versatile fitness tracker mobile app with 11 distinctive features such as exercise tracking and log maintenance, to enhance users' fitness journeys, using React Native and Firebase.
- Amplified user interactivity by embedding a personalized dashboard, dynamically displaying progress graphs, milestones, and recommendations based on individual user exercise data, promoting a tailored user experience.
- Utilized responsive and Mobile-First Design principles to ensure a seamless, efficient, and intuitive user experience. Demonstrated meticulous attention to detail by ensuring compatibility across multiple devices and screen sizes, prioritizing core functionalities and aesthetics for smaller screens and progressively enhancing them for larger displays.
- Leveraged Firebase for secure back-end services, facilitating real-time data synchronization, user authentication, and robust data storage.

**Dog Marketplace Platform** | *Html, CSS, React, Javascript, Firebase.io*

**March 2022**

- Directed a team of 4, developing a marketplace platform for dog breeders, reminiscent of Facebook Marketplace.
- Applied the Factory Pattern to develop 5+ distinct components, including post tiles and filter searching, enhancing the platform's UX. Used Strategy Pattern to allow flexible filter mechanisms.
- Adopted Firebase.io for storing 30GB of dog data, guaranteeing fast and reliable data access for user