

# HOWIE NGUYEN

Riverside, CA

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## EDUCATION

**University of California, Riverside**

*Bachelor of Science in Computer Science*

**Sep. 2020 – June 2023**

*Riverside, California*

## EXPERIENCE

### SIZZLE

**July 2023 – Present**

*Web Developer*

*Riverside, California*

- Drove the design and execution of the transformative Dietitian Dashboard, enabling clinicians to swiftly access integrated patient data—timelines, charts, and cards.
- Skillfully wielded React and TypeScript to architect a user-centric, responsive web interface, setting new standards in intuitive UI design and functionality.
- Seamlessly incorporated the React Redux Toolkit, bolstering UI state management and API integrations, resulting in a 20% leap in UI responsiveness and overall system efficiency.

### 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

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

**May 2023**

- Collaborated within a high-performing team of 6, driving the conception, design, and development of an innovative exercise logging application.
- Engineered an intuitive calendar module with the capability to schedule, track, and send real-time reminders for exercise routines, enhancing user engagement and consistency toward achieving their fitness goals.
- Utilized responsive design principles to ensure a seamless, efficient, and intuitive user experience, demonstrating meticulous attention to detail by ensuring compatibility across multiple devices and screen sizes.
- Leveraged Firebase for secure back-end services, facilitating real-time data synchronization, user authentication, and robust data storage.

**Warehouse Management | Java, Postgres SQL**

**December 2022**

- Co-developed a Java app integrated with a PostgreSQL database, using JDBC for CRUD operations and data integrity.
- Played a key role in architecting a normalized PostgreSQL database schema, encompassing tables for diverse entities like users, stores, products, warehouses, orders, and product updates, streamlining the retail system's data management.
- Designed and implemented a suite of Java functions to manage product updates and view stores/products, enhancing inventory management efficiency and improving user accessibility to store and product information.
- Implemented SQL triggers and indexes, cutting query execution times by 20%, improving user experience, and speeding up data processing.

**Dog Database | Html, CSS, React, Javascript**

**March 2021**

- Managed a team of 4 in developing a website for dog breeders to sell and showcase their dogs to potential customers, similar to Facebook Marketplace.
- Utilized React and JavaScript to build the website, with Firebase.io serving as the database for storing object and JSON files of dog information totaling 30GB.
- Optimized website's back-end for speed and readability, utilizing Composite strategy pattern to enhance the functionality of Dog object and related features.

## TECHNICAL SKILLS

**Languages:** C++, Python, Java, Typescript, HTML/CSS, JavaScript, Swift, Kotlin. Postgres SQL

**Developer Tools:** VS Code, VS Community 2019, Pycharm, Xcode, Android Studios, Clion, IntelliJ. Arudino

**Technologies/Frameworks:** Linux, GitHub, OpenGL, React, React Native