

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

- Pioneered the Dietitian Dashboard: A cohesive solution integrating patient cards, charts, and timelines. Utilized React, React Redux, Vite.js, and Typescript, spearheading a collaborative effort among a 4-member developer team.
- Achieved a 30% improvement in application load times. Implemented Vite.js for streamlined build processes and integrated IndexedDB, elevating data persistence and resulting in a superior user experience.
- Transformed patient data accessibility with an intuitive interactive list interface. This innovation streamlined data retrieval, enhancing efficiency and user satisfaction.

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, C, C#, 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