

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

- Developed the Dietitian Dashboard using React and Typescript, streamlining clinicians' access to patient data via user-friendly timelines, detailed charts, and organized data cards.
- Incorporated the React Redux Toolkit, enhancing UI state management and API integration, boosting dashboard speed and efficiency by 20%.
- Implemented advanced search and filtering functionalities, enabling clinicians to swiftly locate patient data, streamlining diagnostic processes, and enhancing patient consultation 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

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

June 2023

- Architected a full-stack real-time chat application with a dynamic user interface using React, and utilized Node.js and Express.js to handle client requests, manage data storage, and facilitate real-time client communications
- Designed interactive components such as chat bubbles, chat bubble reactions, and emoji selectors that improved user engagement by 25% and enriched the overall chat experience.
- 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 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 and organized and handled 20,000+ data entries, encompassing product, user, and order data for multi-chain retail stores by developing a comprehensive Java/PostgreSQL database system
- 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.

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