

Shuyan Qiao

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Experience

Full Stack Developer, Flyhigh Talent – San Jose, CA Feb 2024 – Present

- Led the development of a cross-platform drama application using React, TypeScript, and Next.js, ensuring a consistent user experience across web, iOS, Android, and WeChat Mini Program.
- Designed and implemented a serverless backend architecture using Firebase (Firestore, Authentication, Cloud Functions, Storage, and Realtime Database) to manage user authentication, script access control, and scalable content storage.
- Utilized Next.js SSR (Server-Side Rendering) and ISR (Incremental Static Regeneration) to improve SEO, content discoverability, and page load speed, optimizing the browsing experience for users.
- Developed and optimized Low Energy Bluetooth (BLE) connectivity on the Android platform using Kotlin, supporting simultaneous connections with multiple medical devices and enabling efficient Bluetooth scanning, pairing, and data synchronization.
- Designed and built a real-time data visualization dashboard using SVG and React Native for dynamic analysis and display of health data as part of the Securra Health project

Full Stack Developer Intern , Airclub Software – San Francisco, CA Sep 2023 – Feb 2024

- Developed a membership application with front-end and back-end separation functionality, establishing partnerships with multiple gyms.
- Collaborated with the visual design team using Figma to implement responsive and mobile-first UI/UX best practices. Implemented JWT authentication for secure user access.

Education

Georgia Institute of Technology, Master of Computer Science Present

- Coursework: Algorithms, Operating Systems, Game Artificial Intelligence, Natural Language Process

University of California - Santa Barbara, Master of Technology Management 2022 – 2023

- GPA: 3.7/4.0
- Coursework: Data science, Agile software development, Technology-based operations, Finance

University of Eötvös Loránd, BS in Computer Science 2018– 2022

- Coursework: Programming, Algorithms, Compilers, Databases, Machine learning, Distributed Systems

Projects

Immigration Law Practices with AI-Driven Solutions for Law Firms AILaw

- Implemented front-end designs in Vue 2.0, ensuring pixel-perfect accuracy and responsiveness based on provided UI/UX mockups.
- Developed a web scraper using Python to automate the retrieval and processing of new government scheduling data, improving data accuracy and reducing manual effort.

ESG Ratings report Mingshan Think Tank

- Collaborated with university professors to integrate advanced ESG analysis algorithms using C#, .NET Core, and the Entity Framework (EF) Core ORM framework, providing customized ESG ratings for businesses.

Technologies

Programming Languages: JavaScript, TypeScript, JAVA, Kotlin, HTML/CSS, Python, C#, ADA, C/C++

Frameworks and Libraries: React, Node.js, Firebase, Jest, GraphQL, Vue.js, ESLint, Next.js

Tools and Platforms: Yarn, Figma, Tailwind CSS, Docker, WeChat DevTools, CI/CD, MongoDB, Git, SaaS