Yuan Qian
[Phone: +61 433837313] | [Email: timmyy32123@outlook.com] | [Address: 2/19 Banksia Street, Clayton VIC] | [Github: github.com/timmyy123]

SOFTWARE ENGINEER

PROFESSIONAL SUMMARY

Highly motivated and results-oriented Full Stack Developer specializing in the design and development of dynamic, user-centric applications and scalable solutions for web and mobile platforms. Proficient in modern JavaScript frameworks including Next.js, React.js, and Vue.js, leveraging Typescript, Tailwind CSS, and Bootstrap to build robust and visually appealing front-ends. Experienced in developing high-performance Android and cross-platform mobile applications using React Native, Expo, Kotlin, and Jetpack Compose. Possesses a strong back-end foundation with Node.js, Firebase, Appwrite, and MongoDB, ensuring efficient server-side functionality. Adept at data visualization (D3.js, R) and data wrangling (Python, R, SQL) to extract insights and build data-driven solutions. Committed to delivering clean, maintainable code and intuitive user experiences within collaborative environments.

SKILLS

- **Languages:** Javascript, Typescript, Python, Kotlin, Java, R, SQL
- **Frameworks/Libraries:** React.js, React Native, Next.js, Vue.js, Tailwind CSS, NativeWind, Bootstrap, Framer Motion, Jetpack Compose, Shadcn UI, Sanity CMS, Express.js
- **Databases:** MongoDB, Firebase, Appwrite, Supabase
- **Tools & Technologies:** Node.js, D3.js, R Shiny, Google Gemini, Expo, Mapbox, Sentry.io, Git
- **Mobile Development:** Android App Development (Kotlin, Jetpack Compose), Cross-Platform Mobile Development (React Native, Expo)
- **Data & Analytics:** Data Visualization, Data Wrangling, Data Warehousing

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PROJECTS

Digital Demeanor [https://digital-demeanor.vercel.app/]
- **Digital Demeanor - AI-Powered digital citizenship learning platform.**

• Technologies: Next.js, Tailwind CSS, Shadcn, Framer Motion, Supabase, D3.js, Google Gemini, Typescript

Full Stack (MERN) Real-Time Chat App (Ti-Talk) [https://ti-talk.onrender.com/]
• Developed a real-time chat application using the MERN stack, enabling users to communicate in real-time.
• Technologies: React.js, Node.js, MongoDB, Express.js, Bootstrap.

UV Protection Website (Sun-safe) [https://sun-safe.vercel.app/]
• Developed a web application to help users find optimal sun protection strategies, leveraging geolocation and weather data.
• Technologies: Next.js, Tailwind CSS, Shadcn UI, Appwrite (Backend), Mapbox API Integration, D3.js for Data Visualization, Google Gemini for AI-powered recommendations, Sentry.io for error tracking, Typescript.

Startups Ideas Sharing Platform (yc-directory) [https://yc-directory-one-snowy.vercel.app]
• Designed and implemented a platform for sharing startup ideas, utilizing Next.js and Sanity CMS.
• Technologies: Next.js, React.js, Tailwind CSS, Shadcn UI, Typescript, Sanity CMS.

AI Videos Sharing App (Aora) [https://github.com/timmyy123/AI-Video-Sharing-App]
• Built a mobile application allowing users to share and discover videos with AI features.
• Technologies: React Native, Expo, NativeWind, Appwrite (Backend).

Portfolio Website [https://timmy-io.vercel.app/]
• Developed a personal portfolio website showcasing projects and skills using Next.js, React.js, and Tailwind CSS. More projects available on my GitHub profile and portfolio.

EDUCATION

Master of Information Technology | 2023 – 2025 | Monash University, AU