

Lu Liu

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SUMMARY

Dynamic and results-oriented Computer Science graduate with practical experience in full-stack development, specializing in *React*, *Next.js*, and *Node.js*. Demonstrated ability to improve application performance and user engagement through innovative solutions and effective teamwork. Eager to apply skills in a challenging environment to drive business success.

TECHNICAL SKILLS

Front-end: React, Next.js, TypeScript, HTML, CSS (Sass, Tailwind CSS), JavaScript
State Management: Redux, Context API, React Query, Zustand
Back-end: Node.js, Express.js, Restful API
Developer Tools: Git, JIRA, Bootstrap, shadcn
Other: PHP, Java, C#, Python, OOP, Data Structures, Algorithms, Jest, RTL, WordPress

EXPERIENCE

Fullstack Developer Oct. 2023 – Present
TAOTECH PTY LTD Melbourne

- Developed responsive web projects in an *Agile* environment using *Next.js*, *Tailwind CSS*, and *CSS Modules*, enhancing user experience and interface aesthetics.
- Maintained high code quality and consistency by integrating rigorous testing and code reviews into *CI/CD* pipelines, improving deployment efficiency

Software Developer June 2023 – Oct. 2023
Aceso Group Pty Ltd Brisbane

- Spearheaded the refactoring of a *Flutter*-based health tracking app, applying advanced design patterns that increased app launch speed by 10% and enhanced maintainability
- Optimized backend communication by standardizing API data formats, reducing endpoints, and increasing data access efficiency, significantly boosting development productivity.

Web Developer intern Jan. 2023 – June 2023
Asian Community News Weekly Brisbane

- Implemented a new forum feature using *JavaScript* and *React*, leading to a 10% increase in user engagement and a 15% rise in active monthly users.
- Optimized commercial ad modules by minifying and compressing assets, resulting in a 20% faster page load speed.
- Improved merchant discoverability with CMS-integrated 40+ filters, reducing search time and enhancing user engagement.

SELECTED PROJECTS

Taotify Music Player | *Next.js, Tailwind CSS, TypeScript* June 2023 – Present

- Employed the *Context API* for state management, ensuring seamless playlist transitions and user interactions
- Implemented *SSR* to improve to enhance music playback performance and *SEO*
- Leveraging *Storybook*, *Jest*, and *RTL* for comprehensive testing and documentation
- Deployed to Vercel with GitAction for *CI/CD*, providing fast and reliable deployment

Hotel Management Dashboard | *Vite, React, Styled-components, React Query* Dec 2023 – Jan 2024

- Developed a dashboard for hotel management, streamlining CRUD operations and providing sales data insights with Recharts, aiding strategic decisions.
- Implemented secure authentication and user profile management using Supabase, enhancing data protection and user experience.

EDUCATION

The university of Queensland St Lucia, BNE
Bachelor of Computer Science Feb. 2021 – June 2022