

HENRY WAN

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EDUCATION

Bachelor of Computer Science
The University of New South Wales

Feb 2021 – Feb 2024
Sydney, Australia

- CSESoc Frontend Director
- CSESoc Development Subcommittee Member
- CSESoc Training Program Lead

PROFESSIONAL EXPERIENCE

Casual Academic
UNSW Computer Science and Engineering

Feb 2024 – Present
Sydney, Australia

- Conducted thorough assessment of student assignments for a **Web Frontend Programming** course (COMP6080)
- Evaluated student projects on **HTML**, **CSS**, **JavaScript** and other frameworks such as **ReactJS** and **TailwindCSS**.
- Assisted students in understanding and implementing responsive web design techniques.

Full-Stack Developer Internship
Stomble

Jul 2023 – Jan 2024
Sydney, Australia

- Kickstarted the front-end development of a large-scale and responsive mobile application using **TypeScript**, **React Native**, **Expo**, **AWS Services** and **Prisma**.
- Coded an in-house fetcher class, significantly reduced the code required by 75%.
- Standardized the **React Redux** layout and dispatcher, improving developer experience by 50%.
- Developed a custom **eslint** rule, improving code quality across the whole project.
- Participated in **Agile** and **SCRUM** planning process, assisting the product owner in documenting roadmap and planning future sprints, using **JIRA** and **Confluence**.

Project Team Member
SAS Analytics

May 2023 – Jul 2023
Sydney, Australia

- Developed a full stack webapp for financial risk managers to assess a home loan default risk using **TypeScript**, **ReactJS**, **TailwindCSS**, **Python** and **Django**.
- Leveraging **SAS software suites**, developed models aimed at accurately identifying customers with a high propensity for default, significantly reducing the work of financial risk managers.

Part-Time Programming Tutor
Enjoyneer

Nov 2021 – March 2022
Hong Kong

- Teach and educate high school students on basic **C programming**, with 80% positive feedback from students.
- Assist in constructing the syllabus, authored various documents as teaching materials in a professional and interesting manner, keeping students engaged throughout the class.
- Contributed to the design of assignments, marking, and providing feedback to students, including 3 programming exercises.

EXTRA CURRICULAR

Project Frontend Director
UNSW CSESoc

Jul 2023 – Nov 2023
Sydney, Australia

- Spearheaded the front-end development of an internal hiring and offers system for the CSESoc, utilizing **TypeScript, React JS, TailwindCSS, MUI** and **Vite**.
- Removed the use of Google Forms and Excel in hiring, received an overall 85% positive feedback.
- Overhauled the design for an application subsystem, improving the user experience by 20%
- Optimized performance for less performant hardware by 10%.
- Participated in the construction of the **CI/CD pipelines**, removing manual operations, and reducing the time for deployment by 80%
- Carry out managerial responsibilities utilizing **Confluence** and **JIRA**.

Training Program Lead
UNSW CSESoc

Feb 2023 – Jul 2023
Sydney, Australia

- Taking the when2meet application as inspiration, led a team of 5 in developing a website with similar features, while having unparalleled user experience in mind.
- Assist and teach inexperienced trainees to get familiar with common frontend development technologies such as **TypeScript, React JS, NodeJS, tRPC** and **TailwindCSS**.

PROJECT HIGHLIGHTS

GigConnect | *Making work more accessible, making you more free.*

gigconnect.henrywan.dev/

Technologies used: TypeScript, React, TailwindCSS, NodeJS, Express, PostgreSQL, Prisma, Render.

CSE Chaos | *Liberate yourself from the manual labor of Google Forms and Excel sheets.*

chaos.csesoc.app/

Technologies used: TypeScript, React, TailwindCSS, MUI, Rust, PostgreSQL, Prisma, Docker.

Personal Website | *My portfolio.*

henrywan.dev/

Technologies used: TypeScript, React, TailwindCSS, Framer Motion, threejs, Vercel.

TECHNICAL SKILLS

Languages:	TypeScript, JavaScript, Java, C, Shell Script, Python, SQL, HTML/CSS
Frameworks:	React.js, Next.js, TailwindCSS, Express.js, Flask, Django, REST API
Tools:	Amazon Cognito, Amazon S3, MongoDB, Linux, Docker, Vercel
Version Control:	Git, GitHub, GitLab
Project Management:	Agile, Scrum, JIRA, Confluence