

# HENRY WAN

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## EDUCATION

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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

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Full-Stack Developer  
*Stomble*

Jul 2023 – Jan 2024  
*Sydney, Australia*

- Developed a large-scale, responsive, and user-friendly mobile application using **TypeScript, React Native, Expo, Serverless** and **Prisma**.
- Contributed to standardizing fetching behavior by developing an in-house fetcher class adopting the **fluent interface design pattern**, significantly reduced the code required to fetch by 70%.
- Standardized the **React Redux** storing layout and provided an easily accessible and maintainable dispatcher for other team members to use in their work.
- Developed a custom **eslint** rule to further standardize the quality of code across the whole project.
- Crafted, developed, and maintained an intuitive and feature packed reels-like short form video system, using **TailwindCSS** and **Amazon S3** for reliable and optimized multimedia content delivery.
- 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 utilize a home loan origination model for risk assessment 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.
- Communicate and collaborate with cross-functional team members, including financial experts and data scientists, ensuring the project is well considered and met the expectations of all stakeholders.

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

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Frontend Director  
*UNSW CSESoc*

Jul 2023 – Nov 2023  
*Sydney, Australia*

- Spearheaded the frontend development of an internal hiring and offers system for the CSESoc. **Leading, managing, and coordinating** team members to ensure adherence to established timelines.
- Developed and maintained a highly responsive and interactive UI for the hiring system, utilizing **TypeScript, React JS, TailwindCSS, MUI and Vite**.
- Overhauled the design for an application subsystem, improving the user experience and optimizing performance for lower quality hardware, leveraging the **TDD** methodology to ensure code correctness.
- Participated in the construction of the **CI/CD pipelines** to ensure the team pushing well-tested and bug-free code.
- 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

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**CSE Chaos** | *An internal hiring and offers system for CSESoc.*

[chaos.csesoc.app/](https://chaos.csesoc.app/)

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

**CSE Waves** | *A web app to alleviate the inconvenience of organizing a meeting.*

[github.com/m4ch374/project\\_waves](https://github.com/m4ch374/project_waves)

**Technologies used:** TypeScript, React, TailwindCSS, NodeJS, Express, tRPC, Prisma, MongoDB.

**Personal Website** | *A website to introduce myself.*

[henrywan.dev/](https://henrywan.dev/)

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

## TECHNICAL SKILLS

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