

Henry Chen

Full Stack Software Engineer

0433 821 521 @ cxw8848@hotmail.com Perth, WA

SUMMARY

Mission-driven software engineer with a solid computer science background, passionate about building clean, reliable, and user-centric digital solutions. Detail-oriented in both code and design—ensuring maintainable architecture, readable code, and aesthetically consistent user interfaces across all projects.

EDUCATION

Master of IT 2023 - 2024
The University of Western Australia Perth, Australia
• UWA Global Excellence Scholarship

Bachelor of Computing, Computer Science 2020 - 2022
The University of Sydney Sydney, Australia

PROFESSIONAL EXPERIENCE

IT and Data Intern 07/2024 - 10/2024
Path of Hope Foundation Perth, Australia
• Led ETL, data cleaning, and visualization for the "HOPE Report" supporting domestic violence prevention efforts.
• Migrated the official website to a scalable, secure platform—improving UX and cutting annual costs by several thousand dollars.
• Developed data governance and backup protocols in collaboration with senior staff, improving data reliability and team efficiency.

PROJECTS

Personal Website 11/2024 - 05/2025
A modern, responsive personal website built with **Next.js**, **TypeScript**, and **Tailwind CSS**.
• Built a responsive, fast-loading portfolio site to showcase projects, skills, and experience.
• Designed clean, modern UI with dark/light themes, animations, and consistent visual style.
• Deployed on **Vercel** with mobile-first layout and focus on visual clarity and code quality.
https://www.misoto22.com/

AASYP Chat System 08/2024 - 11/2024
A modern full-stack internal chat system built for ASEAN-Australia Strategic Youth Partnership (AASYP).
• Built a real-time messaging app with user auth, chat, and contact management using **Django**, **WebSocket**, and **React**.
• Designed a clean, responsive UI with real-time search, module transitions, and intuitive navigation.
• Deployed with **Docker** containers and automated CI/CD pipeline via GitHub Actions.

Smart Vision Hat 08/2023 - 11/2023
An IoT-based wearable device designed to assist visually impaired individuals. Built with Raspberry Pi and a YOLOv8 object detection model.
• Developed a **Flask**-based interface integrated with Firebase for auth and data sync.
• Enabled voice-activated AI for visually impaired users via GPT-3.5 API.
• Deployed using **CI/CD** with secure SSH pipelines via **GitHub Actions**.
https://github.com/Dhrubub/Smart-Vision-Hat

FIND ME ONLINE

Personal Website
misoto22.com
LinkedIn
henry-misoto22
GitHub
Misoto22

SKILLS

Programming Languages
Java • Python • C • Bash • R • HTML • CSS •
JavaScript • TypeScript • SQLite
Frameworks
Next.js • React • Node.js
OS / Tech Tools
Unix • Linux • AWS (EC2 S3) • Git •
GitHub Actions • Jenkins • Docker • Firebase •
Vercel

VOLUNTEERING

Photographer & Videographer
Law Revue UNSW
04/2022 Kensington, NSW
Directed and produced promotional visuals for Law Revue UNSW, including stage photography, studio portraits, and video content as Director of Photography.

REFERENCES

Kevin Wang - UNSW Law Revue Vice President
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