

# Joshua Chai

Crawley WA 6009

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## PROFILE SUMMARY

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Aspiring software engineer with a strong foundation in full-stack development. Experienced in building Python-based tools for clinical research and digital health. Passionate about using technology to support healthcare innovation. Strong communication skills and a proven ability to work collaboratively with cross-functional teams.

## EXPERIENCE

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**Software Engineer Intern** Lions Eye Institute, Perth **March 2025 - June 2025**

- Adapted to a medical research setting and communicated with clinical researchers to understand requirements and workflows.
- Built Python tools to automate file renaming, format conversion, normalisation, and merging of large CSV datasets derived from ophthalmic images, reducing manual handling time and errors.

**Software Developer** Sleep Matters, Perth **March 2025 - Present**

- Contributed to the digitisation of a paper-based sleep tracking process by building a secure and user-friendly web and mobile interface for patients and clinicians.
- Developed responsive frontend components using React, with integration of Firebase for authentication, database, and cloud functions.
- Collaborated with a clinical psychologist to ensure the platform aligned with real-world mental health workflows and privacy expectations.

**Project Tech Leader & Committee Member** Coders for Causes, Perth **March 2025 - Present**

- Provided strategic leadership, fostering an inclusive and collaborative developer culture across the club.
- Developed and coordinated full-stack modules using React for the frontend and Django for the backend, including the schedule display, admin interface, and dynamic leaderboard.

**International Student Ambassador** StudyPerth, Perth **January 2025 - Present**

- Developed strong cross-cultural communication skills, fostering collaboration in diverse teams.

## EDUCATION

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**Master of Professional Engineering (Software Engineering)** **July 2024 – Present**

University of Western Australia

**Bachelor of Computer Science and Technology** **September 2020 – June 2024**

Heilongjiang University of Science and Technology

## SKILLS

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- Frontend Development:** Familiar with building responsive and interactive user interfaces using React, with integration of Firebase services for authentication and deployment.
- Backend Development:** Comfortable developing backend systems using Django and Python, with a basic understanding of cloud deployment concepts and workflows.
- Collaboration:** Experienced in working collaboratively across disciplines and cultures, especially in healthcare and community tech settings, with strong communication and adaptability skills.