

George Zhu

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EDUCATION

University of New South Wales

Bachelor of Advanced Computer Science (Honours), Minor in Mathematics

WAM: 86.6

Graduated Dec. 2024

WORK EXPERIENCE

The Producer's Toolbox | *Software Developer (Contract)*

2025

- Helped design budgeting and AI tools tailored to the film industry, enhancing financial planning.
- Developed an MVP web application with AI integration, allowing users to generate film script reports with various subscription plans.

Wentworth Institute | *Computer Science Tutor*

2023

- Tutored students in courses for SQL Database Design and Python Programming.

PROJECTS

WebCMS3 Gradebook | *Thesis Project*

2024

- Built a new gradebook for WebCMS3, an LMS used at UNSW, improving and modernising grading workflows.
- Implemented features such as grade scaling and comparisons with a minimal, theme-able UI using tools like React and Material-UI, allowing staff to grade more efficiently.
- Optimised backend routes and database queries, decreasing loading times by 90% compared to the old gradebook.
- Addressed user issues and feedback swiftly, implementing effective solutions to improve the user experience.

Airtable | *Full-Stack Web Application*

2025

- Built an Airtable-inspired web app using Next.js, TRPC and Prisma, allowing users to manage data efficiently.
- Implemented complex operations such as multi-level sorting, filtering, and cell searching using TanStack table.
- Optimised performance for large tables and integrated TanStack Virtualizer to allow operating on over 100k rows smoothly.

SKILLS

Languages: Java, Python, C, C++, C#, JavaScript, Rust, SQL, Haskell

Technologies: React, Bootstrap, Material-UI, TailwindCSS, Node.js, PostgreSQL, SQLite, Linux/Unix

Developer Tools: Version Control (Git), VS Code, Figma, Jira

AWARDS

University Awards: First Class Honours, University Medal