

Dahao Tang

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EDUCATION

University of Sydney <i>Bachelor of Advanced Computing (Computer Science)</i>	February 2021 – December 2025 WAM: Distinction
University of Sydney <i>Bachelor of Commerce (Finance)</i>	February 2021 – December 2024 WAM: Distinction

SKILLS

Languages: C, Python, Java, JavaScript/TypeScript, HTML/CSS, L^AT_EX
Tools: Git/GitHub, Unix Shell, Vim, VS Code, Linear, Figma, Stripe, Cloundinary
Frameworks: React, Next.js, Node.js, Express, Flask, Django, Tailwind, Shadcn.ui, Prisma, Apollo GraphQL, Gradle

PROJECTS

ioulia.ai <i>Startup: AI-empowered spiritual support agent</i> <ul style="list-style-type: none"> Tech Stack: Next.js, Flutter, WeChat Role: Co-Founder, Chief developer Still in process 	January 2024 – Present
GigHero <i>Startup: an online marketplace for onsite services</i> <ul style="list-style-type: none"> Tech Stack: React, Express.js, Prisma, Apollo GraphQL, Tailwind, Shadcn.ui Role: Co-founder, Web developer, Business strategy maker Experience gained: <ul style="list-style-type: none"> React-based website development Market research, User investigation 	April. 2023 – Present
Next.js User Authentication Template <i>Personal Monthly Project</i> <ul style="list-style-type: none"> Tech Stack: Next.js, Next.js server actions, Tailwind, Shadcn.ui Features: <ul style="list-style-type: none"> Credential register and login Social login Email verification (with Resend) Reset password 	December 2023
Searten Web Platform <i>An MVP platform for Searten</i> <ul style="list-style-type: none"> Tech Stack: React, Flask, AWS, Prisma, Tailwind, Shadcn.ui Experience gained: <ul style="list-style-type: none"> PDF saved to PostgreSQL and the retrieval and download Team management Communication with clients without tech-background 	August 2023 – November 2023
AI Tutor Assistant <i>Personal Monthly Project</i> <ul style="list-style-type: none"> Tech Stack: Jupyter Notebook Tried out Prompted engineering and Fine-tuning Help human tutors summarize the exercises done by each student every day in a given format 	October 2023
Personal Website <i>Personal Monthly Project</i> <ul style="list-style-type: none"> Tech Stack: Next.js, Tailwind, Shadcn.ui dahaotang.com 	September 2023
Student Management Platform <i>An MVP platform for an IELTS institution</i> <ul style="list-style-type: none"> Tech Stack: Django, Docker 	November 2022 – January 2023

- Experience gained: basic website development skills, Agile development

File System Implementation with FUSE | *University Project* 2022

- Tech Stack: C
- Operation Implemented: getattr, mkdir, unlink, rmdir, rename, truncate, open, read, write, readdir, create
- Support: Large file and large directory

OS Scheduler Implementation | *University Project* 2022

- Tech Stack: C
- Round Robin, MLFQ

Secure End-to-End Messaging Web Application | *University Project* 2022

- Tech Stack: Python, JavaScript, SQL
- Experience gained: WebSocket API (MDN Web Docs, 2022a), SubtleCrypto interface from the Web Crypto API (MDN Web Docs, 2022b)

Vending Machine Application | *University Project* 2021

- Tech Stack: Java, Swing, SQLite, MVC design pattern
- Experience gained: basic Java desk environment application development skills.

EXPERIENCE

Ori-Fire | *Founder* August 2019 – Present

A reading club with over 50 members

Tutoring | *Self-employed Tutor* 2019 – Present

Chinese middle school English, Mathematics, Physics; A-Level Java

Reading Method Teacher | *Partner* 2021 – 2022

Taught sixth to ninth-grade students methods of reading books systematically

English Teacher | *Part time* 2020 – 2022

Oral English teacher at a private English training institution. Taught over 100 students