Dahao Tang

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EDUCATION

University of Sydney	February 2021 - December 2025
Bachelor of Advanced Computing (Computer Science)	*WAM: Distinction*
University of Sydney	February 2021 - December 2024
Bachelor of Commerce (Finance)	*WAM: Distinction*

SKILLS

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

PROJECTS

GigHero | *Startup: an online marketplace for onsite services*   April. 2023 - Present
- Tech Stack: React, Express.js, Prisma, Apollo Graphql, Pothos Graphql, Tailwind, Shadcn.ui, Auth.js, Stripe, Cloudinary
- Role: Co-founder, Web developer, Business strategy maker
- Experience gained:
  * React-based website development
  * Tailwind and Shadcn.ui for UI
  * Prisma for ORM
  * Apollo Graphql for API management
  * Market research, User investigation

ioulia | *Personal monthly project: AI assistant with long-term memory*   January 2024 – Present
- Tech Stack: Next.js, Flutter
- *Still in process*

Next.js User Authentication Template | *Personal Monthly Project*   December 2023
- Tech Stack: Next.js, Next.js server actions, Tailwind, Shadcn.ui
- Features:
  * Credential register and login
  * Social login
  * Email verification (with Resend)
  * Reset password

Searten Web Platform | *An MVP platform for Searten*   August 2023 - November 2023
- Tech Stack: React, Flask, AWS, Prisma, Tailwdin, Shadcn.ui
- Experience gained:
  * PDF saved to PostgreSQL and the retrieval and download
  * Team management
  * Communication with clients without tech-background

AI Tutor Assistant | *Personal Monthly Project*   October 2023
- 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

Personal Website | *Personal Monthly Project*   September 2023
- Tech Stack: Next.js, Tailwind, Shadcn.ui
- dahaotang.com

Student Management Platform | *An MVP platform for an IELTS institution*　　November 2022 - January 2023
- Tech Stack: Django, Docker
- 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

HOBBIES

Playing badminton　　2010 – Present