

# Dahao Tang

 [github.com/DahaoTang](https://github.com/DahaoTang)
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## EDUCATION

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

## SKILLS

**Languages:** C, Python, Java, JavaScript/TypeScript, HTML/CSS, L<sup>A</sup>T<sub>E</sub>X  
**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

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

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**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