Dahao Tang

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GitHub：https://github.com/DahaoTang/
Website：https://dahaotang.com/

Education

University of Sydney   February 2021 – November 2025
Bachelor of Advanced Computing
Major: Computer Science

University of Sydney   February 2021 – November 2025
Bachelor of Commerce
Major: Finance

Publications

Optimal Look-back Horizon for Time Series Forecasting in Federated Learning, *AAAI 2026 Oral*, Dahao Tang, Nan Yang, Yanli Li, Zhiyu Zhu, Zhibo Jin, Dong Yuan

Stability-Driven CNN Training with Lyapunov-Based Dynamic Learning Rate, *ADC 2024*, Dahao Tang, Nan Yang, Yunkun Deng, Yuning Zhang, Abubakar Sadiq Sani, Dong Yuan

Adaptformer: An Adaptive Multimodel Deep Decomposition Approach for Power Consumption Forecasting, *ADMA 2024*, Nan Yang, Yuning Zhang, Yunqi Wang, Dahao Tang, Yanli Li, Dong Yuan

Work Experience

University of Sydney   August 2024 – Present
Position: Academic Tutor, School of Computer Science
Content:
ISYS2120 Data and Information Management (2024 S2)

University of Sydney   November 2024 – Present
Position: Research Assistant, School of Life and Environment Science
Content: Developer of ProteHome at David James Lab

Projects Experience

ProteHome July 2024 – Present

Position: Research Assistant, Web Development
Content: Participated in website refactoring, decided the tech stack of using Next.js, Django, PostgreSQL, Tailwind etc. Continuously Contributed to full-stack development.

ioulia.ai January 2024 – July 2024

Position: Co-founder
Content: Designed the technical roadmap, developed the MVP, and optimized product performance using techniques like Chain of Thoughts etc.

GigHero April 2023 – August 2024

Position: Co-founder
Content: Developed an MVP platform for an online marketplace for onsite services using React, Express, PostgreSQL, Tailwind etc.

Searten August 2023 – November 2023

Position: University Project, Project Manager, Full-stack Developer
Content: Led a team to develop an MVP platform using Next.js and Tailwind etc.

Student Management Platform 2022

Position: Full-stack Developer
Content: Developed a full-stack student management platform using Django.

File System Implementation with FUSE 2022

Position: University Project
Content: Developed a file system in C, supporting large files and directories.

OS Scheduler Implementation 2022

Position: University Project
Content: Designed and implemented an operating system scheduler using Round Robin and MLFQ algorithms in C.