Liu Zhe You

[Mail](#) | [GitHub](#) | [LinkedIn](#)

EDUCATION

National Cheng Kung University — Tainan , TW
Bachelor of Computer Science and Information Engineering — *Expected September 2026*
- **TSMC Hackathon - IT Infra Automation Monitoring using GenAI 2024** :   Second Place
- **ICPC Asia Taiwan Regional Programming Contest 2023** :   Bronze Medal
- **National Collegiate Programming Contest 2023 & 2022** :   Merit Award
- **Programming Coursework** :   Algorithms & Data Structures , Computer Arch , System Adminstration

EXPERIENCE

Appier | Backend Intern at Data Platform Department — July 2024 – Present
Distributed System, Data Ingestion, Airflow, Databricks, Kubernetes, Terraform — *Hybrid Working*
- Built a centralized config onboarding service with Airflow, powering pipelines across 6 core features.
- Refactored a data ingestion API from Flask to FastAPI, migrating 50K+ lines from Hive to Delta Lake.
- Created an integration testing framework with auto API docs, cutting dev time by over 50%.
- Developed a shared API client generator for internal metadata API used by 5+ services.
- Developed an operations dashboard integrated with OAuth, RBAC and K8s API, supporting usage across 5 teams.

PAIA | Part-time Backend — December 2023 – July 2024
Django, PostgreSQL, Redis, Docker, Pytest, Performance Profiling — *Hybrid Working*
- Fix the Redis anti-pattern for calculating 'today_login_count' and speed it up over 300 times.
- Developing new features and refactoring with Test-Driven Development.

OPEN SOURCE CONTRIBUTIONS

Apache Airflow | [View all contributions on GitHub](#) — October 2024 - Present
A data orchestration tool with over 37.3k stars on GitHub, used by more than 8,000 companies.
- Invited as Apache Airflow Committer in 5 month during semester.
- Contributed 80+ PRs and reviewed 90+ with feedback in the last 6 months.
- Resolved OOM issue when reading logs in the webserver, reducing memory usage by 10x.
- Refactored the parameter system and database exception handling for the core API, benefiting over 50 endpoints.
- Fixed executor log handler for hybrid executors, including Celery and Kubernetes, improving log readability.
- Fixed incorrect display of multiline messages in logs after filtering (affecting the 2.10.x UI).

COMMUNITY & LEADERSHIP

Conference Guest Speaker — November 2023
MOPCON(Mobile Open Platform Conference) — *Kaohsiung Exhibition Center*
- Topic : "Creating an AI training ROS map editor using Three.js, exporting to FBX for use in Unity."
- Utilize Three.js and Vue3 to build scene buidler frontend for digitial twin system.
- Over 100 audience members attended our lecture session.

Director/DSA Lecturer — July 2020 – July 2021
Wuling Computer Science Club — *Wuling Senior High School*
- Teaching C++ syntax, data structures, and algorithms to a club of 50 members.
- Increasing course engagement by 30% by leading committee members to organize diverse lectures.

TECHNICAL SKILLS

Languages: C, C++, Python, Go, PHP, Java, JS, HTML, CSS
Frameworks: FastAPI, Flask, Django, Gin, Vue3, React
Databases: MySQL, PostgreSQL, Redis, SQLite
DevOps Tools: Docker, Kubernetes, Terraform, GitHub Actions, GCP, Git, Linux