

Liu Zhe You

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EDUCATION

National Cheng Kung University

Bachelor of Computer Science and Information Engineering

Tainan , TW

Expected September 2026

- **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 Administration

EXPERIENCE

Part-time SWE

GLSoft company

April 2023 – Present

Remote

- Setup RBAC system for over 100 roles in production system .
- Build automated mobile devices testing POC using RobotFramework, Selenium grid, Appium.
- Colabrate with over 10 colleague on ASP.NET backend projects for customer loyalty services.

COMMUNITY & LEADERSHIP

Lecturer

MOPCON(Mobile Open Platform Conference)

November 2023

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 digital twin system.
- Over 100 audience members attended our lecture session.

Lecturer

NCKU Google Developer Student Clubs Flutter Group

November 2021 – Present

NCKU GDSC

- Teaching Dart syntax and the Flutter framework structure in GDSC.
- Leading members to compelete collaboration side projects.

Director/DSA Lecturer

Wuling Computer Science Club

July 2020 – July 2021

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.

PROJECTS

FastAPI Vue3 OAuth2 | *Python3, FastAPI, PostgreSQL, Vue3, Docker, Git*

October 2023

- A boilerplate for building a FastAPI with Vue3, including OAuth2 authentication with JWT tokens.
- Assist more than 5 foreigners in solving project setup and discussing OAuth2 best practices.

iThome Ironman 30-Day Article Series | *FastAPI, PostgreSQL, Redis, Docker, Pytest, Jenkins*

May 2023

- Topic : ”FastAPI Implementation, Testing, and Deployment.”
- Use Redis to implement caching for pagination and 'get by id' operations, achieving a 1.5x performance boost.
- Implement a primary-replica structure to enhance parallel reading performance by over 1.3 times.
- Over 1300 people viewed the article series, with an average of 100 views per article.

HSPC Registration System | *Python3, Flask, SQLite, p5.js, Docker, Git*

February 2023

- A full-stack web app was built for users to register for the NCKU High School Programming Contest, with a backstage for administrators to confirm teams, make announcements, and respond to questions.
- Built app in MVC structure using flask and SQLAlchemy ORM to increase its maintainability and extendability.

TECHNICAL SKILLS

Languages: C, C++, Python3, PHP, Java, JS, HTML, CSS

Frameworks: FastAPI, Flask, Vue3, React

Databases: MySQL, PostgreSQL, Redis, MongoDB, SQLite

Developer Tools: Git, Docker, Kubernetes, Github Actions, Jenkins, Linux, Vim