Chun-Yen, Pan

Mail | Linkedin | Github

EDUCATION

National Cheng Kung University   September 2021 – June 2025

Bachelor of Computer Science and Information Engineering   *Tainan, Taiwan*

- GPA: 3.92 / 4.3
- Intelligent System & Media Processing Lab.(ISMP Lab)

EXPERIENCE

AI / Full-Stack Intern   July 2024 – Present

AI Next Mine (Remote)   *Taichung, Taiwan*

- Developed LLM workflows using Dify and Langflow to enhance data retrieval and content generation for an AI sustainability (ESG) reporting assistant.
- Maintained and deployed client applications on AWS using Docker Compose, addressing **over 10** reported bugs and implementing **15** new features across front-end (Next.js) and back-end (FastAPI, Flask) systems within a **3-month** period.
- Participated in the **AI+ Innovator Selection Contest**: ESG and AI-related applications, including developing a green energy trading platform for Tatung World Technology.
- Developed an LLM-based LINE Bot for Kaohsiung Music Center, enhancing user interaction and improving information accessibility for exhibitions, reaching over **100** users and earning an **Honorable Mention** in the **Go Digital Contest** among **200** competing teams.

Undergraduate Research Assistant ISMP Lab   July 2023 – June 2024

National Cheng Kung University   *Tainan, Taiwan*

- **Developed an AI-Powered Learning Platform with Chatbot Integration** to enhance student learning experiences.
- Integrated automated video summarization and tutoring ChatBots to provide interactive learning support.
- Implemented RAG techniques to provide keyword-based video summaries and timestamped content highlights for efficient search and review.
- Fine-tuned 2 LLM models using Vicuna and Alpaca-LoRA: one for junior high civics curriculum and another for junior high biology curriculum, enhancing question-answering accuracy and content summarization performance.
- Optimized system scalability and efficiency using Python and FastAPI.

AWARDS & RECOGNITION

First Place Winner, iThome Ironman Contest 2024   September 2024

iThome   *Online*

- Awarded for the 30-day series, **"Python 新手的 AI 之旅：從零開始打造屬於你的 AI / LLM 應用"**, demonstrating technical skills in AI/LLM development.
- Authored a comprehensive guide on building AI/LLM-based applications using Python, sharing knowledge and insights with the wider community. See series here: Link

COMMUNITY & LEADERSHIP

Core Member   September 2024 – Present

Google Developer Group on Campus   *Tainan, Taiwan*

- Led a team to develop a university-specific ChatBot using LLMs, addressing campus-related inquiries with a focus on course selection and student services.
- Organized workshops on cloud technologies and AI applications; contributed as a project manager and full-stack developer.

OPEN SOURCE CONTRIBUTION

lab0-c   March 2024

- Check if sorting implementation is stable (commit b0aa080)

Technical Skills

Languages: Python, C, TypeScript, SQL
Frameworks: React, Next.js, FastAPI, Flask
Developer Tools: Github, Docker
Applications: Line bot, AWS, OpenAI API, Supabase
Collaboration Tools: Notion, HackMD, Discord