

Chun-Yen, Pan

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EDUCATION

National Cheng Kung University

Bachelor of Computer Science and Information Engineering

Tainan, Taiwan

Expected June 2025

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

EXPERIENCE

AI / Full-Stack Intern

July 2024 – Present

AI Next Mine / ISCOM (Remote)

Taichung, Taiwan

- Developed LLM workflows using open-source tools and integrated RAG (Retrieval-Augmented Generation) technology to enhance data retrieval and content generation for an AI-powered sustainability reporting assistant. This assistant helps enterprises streamline the creation of carbon footprint and ESG reports.
- Maintained and modified front-end and back-end systems based on client requirements using Python (FastAPI, Flask) and Next.js.
- Deployed systems on AWS using Docker Compose and selected appropriate EC2 instances based on model requirements, optimizing performance and cost-efficiency.
- 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, recognized with 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 advanced learning platform integrating automated video summarization and tutoring ChatBots to enhance student learning experiences.
- Integrated RAG techniques to provide keyword-based video summaries and timestamped content highlights for efficient search and review.
- Contributed to platform architecture using React, FastAPI, and SQLite; implemented LLMs (e.g., Vicuna, Alpaca-LoRA) for question-answering and content summarization.

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.

PROJECT & HOMEWORK

AI-Powered Learning Platform with Chatbot Integration

September 2024 – Present

ISMP, National Cheng Kung University

Tainan, Taiwan

- Developed a platform with automated video summarization and chatbot support, enhancing interactive learning.
- Integrated large language models (LLMs) for natural language understanding and response generation.
- Optimized system scalability and efficiency using Python and FastAPI.

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