

# Chun Yu, Hsu

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## Education

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**National Taiwan University (NTU)**  
Bachelor in Information Management

September 2021 ~ June 2025  
Taiwan

**Kindai University (Kindai)**  
Exchange Student in Informatics

September 2023 ~ February 2024  
Japan

## Work Experience

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**Research Assistant at NLP&SA Lab, Academia Sinica**

February 2025 ~ Present

- Conducting research on misinformation explanation, focusing on how sentiment and emotions in news claims affect the effectiveness of explanations.
- Developing tools in detecting abnormalities in fine-tuning attacked models for the National Institute of Cyber Security.

**Research Assistant at IT Innovation Center, Academia Sinica** February 2025 ~ June 2025

- Contributed to developing a Retrieval-Augmented Generation (RAG) system based on the TAIDE model for answering medical-related queries.
- Designed a Reinforcement Learning from Human Feedback (RLHF) framework to further improve user satisfaction.
- Deployed the application with AWS ECR and EC2, setting up containerized services.

**Teaching Assistant of Programming Design, NTU**

September 2024 ~ December 2024

- Supported a course of 100+ students as a teaching assistant, verified and graded assignments and exams.
- Guided students in learning C++ and Object-Oriented Programming concepts during weekly TA sessions.

**Intern, Primax Electronics**

September 2024 ~ December 2024

- Assisted the CIO in daily briefings to review research topics, gaining insights into IT strategy and organizational priorities.
- Designed interactive Power BI dashboards to present findings, directly influencing strategic decision-making.

## Research Projects

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**NTU AI Club Research – Partnership with DeepMentor.ai**

February 2025 ~ Present

- Further pre-trained and fine-tuned a Qwen2-based Traditional Chinese Small Language Model, achieving a 3.3% relative improvement under limited computational resources.

**Graduation Project, Professor: Seng-Cho Chou**

September 2024 ~ December 2024

- Implemented NTU course answering agent with Retrieval-Augmented Generation (RAG).
- Partnered with the Office of Academic Affairs to utilize real-world course data.
- Developed and integrated LangChain pipelines with Pinecone database to retrieve relevant course data efficiently and generate contextually accurate responses for student queries.

## Skills

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**Programming Languages:** Python, C, C++, Javascript, SQL

**AI Tools and Frameworks:** PyTorch, Tensorflow, Hugging Face, Unsloth, LangChain, Pinecone, Numpy, Pandas

**Tools:** Git, Github, Docker

**Certifications:** AWS AI Practitioner

**Languages:** Mandarin (Native), English (TOEFL: 111, TOEIC: 950), Japanese (N1)