

Yu Xiang Luo

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Education

National Taiwan University
B.Sc. in Computer Science

2021 – Present
Taipei, Taiwan

Experience

Research Assistant
Academia Sinica, Institute of Information Science

2023 – 2024
Taipei, Taiwan

- > Conducted research on Named Entity Recognition (NER) using Language Models (LM).
- > Designed prompts and applied Low Rank Adaptation (LoRA) techniques to language models.

Machine Learning Engineer Intern
Taiwan AI Labs

2024 – Present
Taipei, Taiwan

- > Implemented scripts for data preprocessing in distributed systems (Kubernetes).
- > Trained a state-of-the-art Text-to-Speech (TTS) model using a Traditional Chinese dataset.
- > Led the integration of previous team work into a new model, managing dependencies.

Projects

Full Stack Website
Github Repository

2022

- > Role: Backend Developer
- > Technologies: React.js, Node.js, Express.js, MongoDB, NVM
- > Description: Developed a web application with integrated frontend, backend, and database.

Swift App (Prototype)
Github Repository

2023

- > Technologies: Swift, Xcode SDK
- > Description: Developed an iOS app prototype focused on displaying texts and pictures, and playing simple games like tic-tac-toe. Gained experience in Swift and iOS development.

BandWitch
Github Repository

2024

- > Role: Backend and System Developer
- > Technologies: Python, Bash, Network Routing
- > Description: Designed and implemented a system monitoring and network routing website, utilizing advanced kernel and system programming knowledge.

Skills

Programming Languages C/C++, Python

Web Development React.js, Node.js, Express.js, MongoDB, PHP, MySQL

DevOps Docker, Kubernetes, Bash, Git, Conda, NVM

Machine Learning Scikit-Learn, PyTorch