

Yung-Yueh Chan Lee

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SUMMARY

- Python developer and backend engineer
- Experienced in the bioinformatics
- Active contributor in the FastAPI community

EXPERIENCE

Industrial Technology Research Institute

Backend Engineer

Nov 2024 - Now

- Developed a web application to help healthcare professionals work more efficiently.
- Developed APIs and maintained the system.
- Supported the setup of cloud infrastructure.

Phalanx Biotech Group (Intern)

Data Engineer

Jul 2023 - Aug 2023

- Built an **automated analysis pipeline** for gene expression, enabling one-click generation of analysis results.

EDUCATION

National Tsing Hua University

M.S., Bioinformatics and Structural Biology

Sep 2022 - Aug 2024

Research Topic: Transcriptome Assembly and Gene Analysis

- **Optimized the gene prediction pipeline**, resulting in the discovery of additional previously unidentified genes.
- Filtered and evaluated potential toxin genes.

China Medical University

B.S., Biotechnology

Sep 2016 - Jun 2020

SIDE PROJECTS

Translation Question Generator and Grading System

- Used LLM to generate scores and feedback for users' answers.



GitHub

OPEN SOURCE CONTRIBUTION

FastAPI Contributor

- Translate English documents into Traditional Chinese.



GitHub

TECHNICAL SKILLS

Languages: Python

Backend Frameworks: FastAPI, Django

Cloud Services: AKS, ACR

DevOps: Docker, Kubernetes, Helm

Databases: Postgres, MySQL