# Yung-Yueh Chan Lee

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## SUMMARY

- Python developer and backend engineer
- Experienced in the bioinformatics and healthcare technology
- 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.

Web

### 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