Yung-Yueh Chan Lee

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SUMMARY

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

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*

INTERNSHIP EXPERIENCE

Phalanx Biotech Group

Intern, Software Department   *Jul 2023 - Aug 2023*

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

SIDE PROJECTS

Supplier Data Processing API

- Handling supplier testing data, providing functionalities for document upload, validation, and querying.

GitHub

Translation Question Generator and Grading System

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

GitHub

OPEN SOURCE EXPERIENCE

FastAPI Contributor

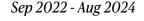- Translate English documents into Traditional Chinese.

GitHub

TECHNICAL SKILLS

Languages: Python, SQL

Backend Frameworks: FastAPI, Django

Cloud Services: AWS (EC2)

Databases: MySQL, SQLite

Others: GPT 4o-mini model