

# Wei-Yu “Will” Liao

(886)972-221-345

[wyliao76@gmail.com](mailto:wyliao76@gmail.com)

<https://www.linkedin.com/in/wei-yu-liao-a32353141/>

<https://github.com/wyliao76>

<https://fortunedgalab.xyz/httptest>

## SKILLS

- JavaScript, Python, Java, C/C++
- Express.js, Flask, FastAPI, React.js, Linux, MacOS, FreeBSD
- Git, CI/CD pipeline, Github Actions, TDD, Microservice Architecture
- MySQL, PostgreSQL, MSSQL, MongoDB, Redis, Elasticsearch
- AWS & CDK, Lambda, ECS, RDS, ETL pipeline and Airflow
- Docker, RabbitMQ, Authentication/Authorization
- Multi-threading, Multi-processing, I/O multiplexing
- TCP, UDP, text / binary protocol, POSIX API, Socket, IPC
- LLM integration, NLP to SQL, Prompt engineering
- Fluent in English and native Mandarin speaker

## WORK EXPERIENCE

**Data Engineer** Hewlett-Packard Inc, HPI July 2022 - Feb 2024

- Built ETL data pipeline and data lake via AWS Lambda and Step function
- Built a preview backend server via Python FastAPI for Amundsen.io preview
- Migrated data pipelines from Airflow DAGs to Step function data pipeline

**Senior Software Developer** Hewlett-Packard Inc, HPI June 2020 - June 2022

- Saved a failed project and turned it into a successful one (version 2.0)
- Organized a team of 4 to 6, interviewed and trained team members
- Devised a realistic plan and executed it successfully for the 2.0 version in 9 months
- Assisted frontend developers with React.js

**Software Developer - Node.js** Nextlink Technology June 2019 - June 2020

- Built all backend APIs using Lambda, AWS API Gateway, and Claudia
- Increased the efficiency of the PDF generation feature by more than 50 times

**Node.js Engineer** Batmobile Dec 2018 - June 2019

- Handled a social media platform with 450,000 users
- Used microservices to stabilize critical features

## PROJECTS

**Chat Project** Data communication option, CST

- Program a server and server starter in C with finite state machine and binary protocol

**Adv. HTTP server** Data communication option, CST

- Event loop. Monitor, workers architecture, Dynamic library loading
- network sockets, TCP, HTTP 1.0 with GET, HEAD, POST

## CERTIFICATES

- Professional Scrum Master I | Scrum.org 2022

## EDUCATION

**Computer Systems Technology** | BCIT Sep 2023 - May 2025

**Associate in Science** | Shoreline Community College Graduated in 2017

**B.Sc. in Chemistry** | Fu-Jen University Graduated in 2012