Lyon Xie (Zhen-Long,Xie)

National Kaohsiung University of
Science and Technology (NKUST)

📞 0903-141-100

✉️ zx12zx1212@gmail.com

🌐 https://github.com/zx12zx1212

Hi ! I'm from Kaohsiung and graduated with a master's degree in Electronic Engineering from NKUST.
During my master's studies, focused on research topics related to microservices applications, network function virtualization, software-defined networking, and other network-related subjects. I interned at Fubon Life for a period where I had exposure to both frontend and backend aspects of projects.

Education

NKUST | Dept. of Electronic Enginering,
Master's Degree
2021 / 09 - 2023 / 06

- Served as a teaching assistant for courses and participated in activities as an emcee.
- Main research focused on topics such as microservices, network function virtualization, and software-defined networking.
- The thesis focuses on addressing microservices deployment issues by utilizing a layered structure to devise a deployment strategy that maximizes throughput. Linear programming and heuristic algorithms were developed for this purpose.

USC | Dept. of Information Technology & Communications
Bachelor's Degree
2017 / 09 - 2021 / 06

- Served as a class representative, TA, and participated in the departmental student association.
- For the project, primarily utilized ESP8266 development boards to connect various sensors for monitoring water quality parameters (such as temperature, pH level, etc.) in aquaponic systems. Notifications are sent to users via LINE if any parameter exceeds the set standards, and the detected data is recorded on Google Sheets.

Intern Experience

Fubon Life | System Integration Department, Intern   2021 / 02 - 2021 / 12

- Developed an internal query system for internal colleagues' use using Spring Boot and Vue.js.
- On the backend, this project used modules such as Spring Data JPA, Hibernate, H2, and Swagger to implement CRUD operations for user accounts. Additionally, I implemented a Restful API to be consumed by the frontend.
- On the frontend, I collaborated with another intern. Our main tasks involved implementing future feature modifications and enhancing user experience.

Skills

Backend

`Java ( Spring boot )` `PHP ( Laravel)`

- During the internship, this project used Spring Boot , primarily focusing on CRUD operations for user identity, developing Restful APIs, and employing Swagger for API testing.
- During the university, I gained exposure to Laravel for developing basic CRUD .

Frontend

`HTML / CSS` `Javascript` `Vue`

- I have used web programming languages both during my university coursework and internship.
- During the internship, I was introduced to Vue.js and also engaged in self-learning by searching for resources online.

Other

`Python` `C / C++` `Mysql` `Git`

- During my master's program, I primarily used Python for coding, took courses in machine learning, and served as a TA for C/C++ courses.
- During my undergraduate studies, I learned MySQL.
- Git was a required tool during my internship, so I have a basic understanding and usage of it.

Certifications

- **ITS python**   2022/05
- **TQC+ Android基礎行動裝置應用程式設計**   2020/06
- **乙級電腦軟體應用技術士**   2017/06
- **丙級電腦軟體應用技術士**   2015/08

Side Project

【Web crawler - fetch prices】

網址：**https://github.com/zx12zx1212/Amazon_Cath_Price**

Using Python to write a web crawler program, fetching the price of specific products on Amazon, and scheduling the program to run at fixed intervals. Utilizing Line Notify to send back the prices of the products to users.

【Web crawler - fetch plagiarism】

網址：**https://github.com/zx12zx1212/Datacode_Plagiarism**

Using Python to write a web crawler program, allowing for the option to select either single or multiple questions, to fetch plagiarism detection results for each student on the WNDC verification platform. Integrating the results into an Excel spreadsheet for the convenience of TA in recording grades.