



# Lyon Xie

## Taiwan

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## Education

Bachelor in Department of Information Technology & Communication, Shih Chien University, TW, 2021

Master in Department of Electronic Engineering, National Kaohsiung University of Science and Technology, TW, 2023

## Languages

English - Basic

Chinese (Traditional) - Fluent

## Profile

I am a young individual from Kaohsiung, graduated from the Master's degree in Electronic Engineering at National Kaohsiung University of Science and Technology.

During my master's studies, I focused on various networking-related topics such as microservice, network function virtualization, and software-defined networking.

I previously interned at Fubon Life, where I had exposure to both frontend and backend aspects of projects.

### 【Undergraduate】

- For my undergraduate project, I utilized the ESP8266 development board to connect various sensors for monitoring water quality parameters in aquaponic systems. When any parameter exceeded the threshold, users were notified via LINE, and the data was logged in Google Sheets.

### 【Internship】

- During my internship, I participated in a project involving the development of an internal query system. I was primarily responsible for backend development, implementing CRUD operations for user accounts. In collaboration with another frontend intern, we worked on features for future modifications and enhancing user experience.

### 【Graduate Studies】

- My research during graduate studies focused on microservice applications, network function virtualization, and software-defined networking. I conducted experiments using Python and completed coursework in machine learning.
- My thesis addressed the deployment issues of microservices, aiming to maximize throughput. I developed linear programming and heuristic algorithms to tackle this problem.

## Key skills

### 【Programming language & Framework】

Java(Spring boot),PHP(Laravel),Python,C/C++,HTML,CSS,Javascript(Vue)

### 【Version manager】

Git

### 【Databasic】

Mysql

## Work experience



## Internship

Fubon Life Assurance Co., Ltd., Taiwan | Feb 2021 - Dec 2021

- Develop the backend using Java (Spring Boot) to implement CRUD operations, permission settings, and other functionalities.
- Leverage modules such as Spring Data JPA, Hibernate, H2, Swagger, etc., to expedite project development progress.
- Write the frontend using Vue.js to interface with the backend, optimizing and enhancing user experience.
- Assist in the creation of specification documents to standardize processes.