

MOK TOK MAN

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EDUCATION

CHANG GUNG UNIVERSITY

Taiwan

Bachelor of engineering in computer science and information engineering

Sep 18 - Oct 22

- The 16th CSIE Final Year Project - Best implementation award
- The 16th CSIE Final Year Project - Jury honor award
- The 16th CSIE Final Year Project - Third place(3rd)

TECHNICAL SKILLS

- **Programming:** C | C++ | JavaScript | Python | Swift | Golang
- **Framework:** React | Swift UI | Node | Gin | Go-Zero | Express | MySQL | MongoDB | PostgreSQL
- **Tool:** Docker | AWS | CI/CD | Unit Testing | Github | Heroku

PROJECT EXPERIENCE

[Movie Social App - IOS](#) (Golang, Go-Zero, MySQL, GORM, Docker, SwiftUI, Swagger API, AWS)

Jun 22 – Present

The main purpose of building this app is to provide some OTT resources (Netflix, Disney+, etc...) to solve a searching available resources problem.

- Implemented and designed entire App independently, And **using the separation of front-end and back-end platform**.
- Built IOS App using SwiftUI and **improved the user experience by optimizing UI interaction**.
- In order to increase iteration speed, **refactored the backend APIs from Vapor3 to Go-Zero**. And improved the **development efficiency by approximately double**.
- Integrated TMD APIs to the app for **providing 100w+ movies information** to user.
- To adapt to different environments, using **Docker as container**.
- In order to **increase the development efficiency**, using **Github Action as CI/CD tool** and connected it to AWS CodeDeploy for deploying the web server to an AWS EC2 instance.
- Implemented and designed a real-time communication system **using Websocket and Go-routine**. And designed a Client Health check system for **improving the performance of the server and availability of the connection**.
- In order to improve APIs reliability and security, made the HTTP test to APIs by using Postman HTTP Test Tool.

[Shortest URL Service](#) (Golang, Gin-Gonic, MySQL, GORM, Docker, Swagger API AWS EC2)

Mar 22 - Apr 22

An implementation of a simple shortest URL service that allow user to upload a longer URL and retrieve a shortest URL. User can direct to the original URL by the shortest URL within the expiration time.

- Designed front-end page with React and back-end APIs using Gin-Gonic and MySQL.
- Implemented and **designed a Base62 algorithm by unix time stamp** to generate a unique URL.
- To improve the performance of the server, **using a rate limiter middleware to guarantee service QPS**.
- In order to deploy easily, **using docker as container and deploy the application with AWS EC2**.
- In order to **improve APIs reliability and security**, made a **Unit Test** to APIs

EXTRACURRICULAR EXPERIENCE

- 2018 CGU CSIE's class president
- 2019 CGU CSIE's vice class president
- 2019 - 2020 CGU CSIE Student Association's Activity Officer
- 2020 - 2021 CGU Hip-pop Social Club's Activity Officer
- 2020 - 2021 Google Student Developer Club's member
- Finalist in 26th International ICT Innovation Service Contest 2021

OTHER SKILLS AND INTERESTS

Languages: English(TOEIC 660 / 990), Chinese(Native)

Interests: Sport, Programming, 3D Art