



郭亭函 Ting Han Kuo



I thrive on challenges, whether they are complex problems or novel experiences. My approach to problem-solving involves utilizing scientific research methods to deconstruct and resolve issues. I am highly goal-oriented and have a talent for quickly acquiring and applying new knowledge."

Skills

Backend

- Node.JS
- Express.JS
- RESTful API
- GraphQL

Database

- SQL – MySQL
- ORM - Sequelize
- NoSQL – MongoDB
- ORD - Mongoose

Frontend

- HTML/CSS
- JavaScript
- Bootstrap
- React

Other

- VS code
- Git
- Docker

Development experience



Simple twitter [reactRepo](#) [nodeRepo](#)

- Develop web pages using **React**
- Manage the database **MySQL** and PostgreSQL using Sequelize
- login mechanism using **JWT**
- Collaborate with the team in the roles of project manager, frontend engineer, and backend engineer.



Accounting program [nodeRepo](#)

- Using Express.js to build server-side rendering application
- RESTful** routes and the **MVC** architecture
- login mechanism using cookie-session
- Managing the database with **MongoDB/Mongoose**



POST system [nodeRepo](#)

- Redis-based session login system
- NginX proxy server.
- Using **Docker** for containerization.



Reading List [reactRepo](#) [nodeRepo](#)

- Building a **GraphQL** server
- Fetching using Apollo-client

Others: url Shortcut, Restaurant Forum, Picture Web

Education

ALPHA CAMP

2022/9-2023/4

Full Stack Web Development Program - Specialize in Back-end Course



M.S., Department of Biological Science and Technology, National Yang Ming Chiao Tung University
2018 - 2021

Poster presentations, SFN (one of the largest scientific conferences in the world) 2022

Poster presentations, Academia Sinica - National Yang Ming Chiao Tung University Joint Symposium on Recent Advances in Biomedical Sciences (Institute of Biomedical Sciences is the top academic institution in Taiwan, ROC). Honorable Mention Award 2021



B.S., Department of Biological Science and Technology, National Chiao Tung University
2014 - 2018

Science competition, The International Genetically Engineered Machine competition (The worldwide competition). Group Gold Medal 2015

