

YOU-CIAO, CHEN

I am full of curiosity about unknown fields, and I often take courses and challenge side projects in non-undergraduate departments. I am confident enough in myself, have the courage to express myself, absorb knowledge quickly, and are not afraid to try new technologies.

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🌐 <https://github.com/kenchen879>

📄 <https://kenchen879.github.io>

Education

- M.S. in Institute of Information Management National Yang Ming Chiao Tung University | 2021 – 2023
Communication Networking Lab
- B.B.A in Department of Information Management, National Changhua University of Education | 2017 – 2021

Skills

Programming language

- C
- C++
- Python3
- Bash
- Java (Basic)

Web applications

- Vue.js
- PHP7
- Node.js
- HTML / CSS / JavaScript
- SQL (MySQL)/ NoSQL (JSON)
- Web API

Others

- Docker
- Linux
- Git
- DevOps (cloud native)
- AWS EC2
- Spark
- Raspberry Pi / Arduino
- Information Security

Projects

- **KasongNursingHome**
 - Introduce the website of Nursing Home, use the front-end framework Vue.js to build a SPA website, deploy it to GitHub Pages, and perform SEO optimization. After building a sitemap, build an index on the google search console, which can be quickly found in the Google search engine (high ranking).
 - <https://kenchen879.github.io/SingFongNursingHome/>
 - <https://kenchen879.github.io/KasongNursingHome/>
- **Smart commerce**
 - Industry-university cooperation e-commerce system, using the back-end language PHP 7 and the front-end HTML, CSS and JavaScript, combined with the database management system MySQL, has the functions of verification, shopping cart, order, background management and logistics cash flow, and uses jQuery Implementing AJAX makes the web experience smoother.
- **urlShortener** (<https://github.com/kenchen879/urlShortener-Dcard>)
 - Use Node.js to implement RESTful API to shorten the URL and use the cloud service provided by MongoDB to access data, with POST original URL and expiration time and respond to the shortened URL, GET short URL to get the original URL and test whether the URL has expired.
- **Design and implementation of locomotive danger detection and early warning system using sensors.(109-2813-C-018-028-H)**
 - From 2020 to 2021, the students of the Ministry of Science and Technology will participate in a special research project, using a prototype implementation method to develop a locomotive driving assistance system using Raspberry Pi combined with Arduino and various sensors, such as: using infrared sensors and buzzers, when an object approaches, it will make a sound; running OpenCV on the Raspberry Pi will perform image recognition on the image captured by the camera and send it back to the display.
- **Face recognition access control management system** (<https://github.com/manson800819/facedcheck>)
 - University graduation project, using ESP32-CAM combined with Yolo v3 face recognition for access control management, mainly responsible for the communication between the sensing device and the person identification system through WebSocket.
- **The hallway v3.0**
 - Unity is combined with the Arduino side project, and the Arduino Button is used to use the signal as the direction key of the keyboard. When the program is executed, Unity can judge the signal and perform operations to make a sphere move forward for parkour.

Experience

- **Kasong Nursing Home Website Construction – Principal | 2022**
 - Introduced the project of the Nursing Home website, worked with two other people as the leader, and finally deployed the website to GitHub Pages and successfully indexed it in the search engine.
- **Ministry of Science and Technology Program – College Students | 2020-2021**
 - Using the prototype of the Internet of Things to implement a locomotive safety assistance system, it is a basis for personal projects to implement projects, research, and plans.
- **University Faculty Association PR | 2019-2020**