

# Yung-Hung Huang

☎ +886 975-850-746 | ✉ j50508@gmail.com | 📍 Taiwan (R.O.C) Taipei

## EXPERIENCE

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### Systems design

Jan. 2021 – Present

#### *IOT System design*

- IndoorAirBox

#### *Web System design*

- Dragon
- Web-crawler

### Cloud Computing

Jan. 2021 – Present

#### *Operation*

- Amazon Web Services(AWS)
- Alibaba Cloud
- Google Cloud Platform(GCP)
- Gitlab runner CI/CD pipelines

### Kubernetes

Jan. 2022 – Present

#### *Admin*

- Maintain operations for **k8s Cluster**
- **Troubleshooting** k8s Clusters

## PROJECTS

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### Dragon

- Building a system based on distributed model with multi k8s Clusters which provides **streaming services**
- Based on an open source project: **SRS(Simple Realtime Server)**

### Web-crawler

- Building a system based on a simple Client-server model based on **Python frameworks(Selenium/Pandas/undetected-chromedriver...)** and **Relational Databases(MariaDB)** which scraping data from our target web servers

### IndoorAirBox

- Building a system based on a simple Client-server model which monitors **air-quality, temperature and humidity**

## EDUCATION

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### National Dong Hwa University

Sep. 2016 – Jan. 2019

#### *Master of Science in Materials Science and Engineering*

Shoufeng, Hualien

- **Thesis:** Ultrafast Pump-probe Transient Absorption Spectroscopy of Layer-controllable Molybdenum Disulfide Films
- **Research:** Semiconductor Materials

### National Dong Hwa University

Sep. 2012 – Jun. 2016

#### *Bachelor of Science in Materials Science and Engineering*

Shoufeng, Hualien

- Program of Advanced Materials

## SKILLS

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**Languages** : C/C++, Python, Rust, Golang, JavaScript/HTML/CSS, PHP, SQL(MariaDB, MySQL, MongoDB)

**Tools** : ChatGPT, Docker, Kubernetes, Nginx, Git, Bash, Vim, VS Code, GitHub, GitLab, GitLab Runner, LaTeX