

# Eric Chou 周呈陽

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## Education

**National Cheng Kung University**, M.S. in Computer and Communication Engineering 09/2023 - 06/2025

- Thesis Title : Maximizing Tasks Offloading and Local Computing for the Multi-UAV-Enabled MEC system
- Advisor: Prof. Wenson Chang, Wireless Communication and Network Lab
- Awards: one scholarship

**National Cheng Kung University**, B.S. in Systems and Naval Mechatronic Engineering 09/2019 - 06/2023

- Awards: four scholarships and the only undergraduate who graduated with a Graduation Scholarship.

## Relevant Courses

- EE : DSP, ASP, Digital Comm., Comm. Network, Wireless Comm.
- CS : DS, Algo, OOP, CO

## Internship

USB Firmware Intern @ Realtek MMBU 07/2024 - 08/2024

- **Tools:** C programming, GDB debugger, and Git.
- Added support for reading files in first-level subdirectories for **FAT32** and **exFAT**, using shared switch cases and macros for format handling and directory access.
- Successfully verified functionality with 8 different USB drives, confirming that exFAT and FAT32 work correctly on the KCPU.

## Skills

C programming

GDB/Git

Python

MATLAB

## Projects

[Senior Project] Designing and manufacturing of intellectually unmanned ship

- **Tools:** C programming, Python, Raspberry Pi, and Arduino.
- Resolved challenges such as environmental noise, camera instability due to water surface movements, efficient communication between Raspberry Pi and the control system, and signal delays between Raspberry Pi and Arduino.
- Integrated Arduino for precise ship control and coordinated the operation of multiple development boards.

[Personal Project] A tracking and obstacle avoidance vehicle

- **Tools:** C programming and Arduino.
- Designed an Arduino-controlled vehicle to tackle navigation issues. Improved sensor accuracy, motor response, and refined navigation programming through iterative testing for effective course completion.

[Personal Project] Seminar reminder LINE BOT

- **Tools:** Python, Heroku, Git and GitHub.
- Providing keyword reminders, submission of seminar reflections, and other functions.

## Awards

112 學年第二學期大專院校優秀資通訊人才獎學金 ([link](#)) 2024

FitTech Graduation Scholarship (惠特科技畢業獎學金, [link](#)) 2023

TOEIC Gold 880 (L475, R405) 05/2024

## Extracurricular Activities

Young Entrepreneurs of the Future Program at Epoch School ([Kidnenjoy](#)) 02/2021 - 07/2021

General convener of the orientation camp (迎新宿營總召) 09/2020 - 09/2021

## References

Asst. Prof. at NCKU : Dai, Ming-Jyun (戴名駿) | Mail: [mjdai@gs.ncku.edu.tw](mailto:mjdai@gs.ncku.edu.tw) | Tel: 0960100944

Asst. Prof. at NCKU : Chen, Chih-Chiang (陳智強) | Mail: [ccchenevan@mail.ncku.edu.tw](mailto:ccchenevan@mail.ncku.edu.tw) | Tel: 0934271190