Yu-Chen Pai

National Chung Cheng University
Senior in the Department of Communication Engineering

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EDUCATION

- GPA - 4.06/4.3
- 3 Presidential Honor Award

SKILLS

- Python,C, C++
- JavaScript, Html, CSS
- VS Code
- Google Colab
- Linux
- GitHub
- Pytorch

COURSEWORK

- Data Structures
- Algorithms
- Digital Design
- Computer Networks
- Operating Systems
- Microprocessor
- Probability
- Machine learning
- Reinforcement learning

AWARDS

ICPC 2021 Asia Taipei Regional Site Bronze Award
Won a coding competition with **300+ participants**

Collegiate Programming Examination
- solved problem : 5 / 7
- rank : **24 / 2352**

Computer Olympiad Gomoku 4th
- summer internship at Academia Sinica
- improved AlphaGo by applying threat-space search and KataGo.

AI CUP for Orchid Species Identification
- Achieved **70% accuracy** rate by PyTorch
- Outperformed **134 teams** from top universities, **organized by Ministry of Education**

PROJECTS

Enhancing BBR Algorithm for Improved Throughput in Coexistence with CUBIC
- Devised BBR-S, a novel algorithm for detecting BBR presence in the environment, ensuring improved fairness and throughput.

Physics Simulation Experiments Website
- Designed a website to display pyhsics experiments by **HTML, CSS and JavaScript**
- Used by **300+ students yearly**