

YU-CHEN PAI

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EDUCATION

National Chung Cheng University

Bachelor of Science in Communication Engineering - GPA - 4.06/4.3

- 3 Presidential Honor Award

09 2020 – 01 2024

Chiayi City, Taiwan

AWARDS

Competitive Programming Contest | Skills: Data Structure and Algorithms

- ICPC 2021 Asia Taipei Regional Site **Bronze Award**
 - * Won a coding competition with **300+** participants, organized by NTUB
- Collegiate Programming Examination
 - * solved problem : **5 / 7**
 - * rank : **24 / 2352**
- Codeforces max rating:**1576**

4th TSMC Career Hackathon

- Reach the final with **500+** participants
- Built a scalable, highly available distributed system by **Nginx and FastAPI**
- Handled **10K+** requests/sec

Deep Learning Contest | Skills: Machine learning

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

PROJECTS

Physics Simulation Experiments Website

- Designed a website to display physics experiments by **HTML, CSS and JavaScript**
- Used by **300+** students yearly

Infrared Transmission with Hamming code

- Achieved **100% accuracy** for transmitting **10K+** characters within planned time by **C**

TECHNICAL SKILLS

Languages: Python, C, C++, JavaScript, Html, CSS

Developer Tools: VS Code, Google Colab, Jupyter Notebook

Technologies/Frameworks: Linux, GitHub, Pytorch, Docker

COURSEWORK

- | | | | |
|--------------------------------|--------------------|------------------------------|---------------------|
| • Data Structures & Algorithms | • Network Security | • Principle of Communication | • Digital Design |
| • Operating Systems | • Web Development | • Probability | • Computer Networks |
| | • Microprocessor | | |