

# Maton Pin-Li Wang

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## EDUCATION

### Nation Cheng Kung University (NCKU), Tainan, Taiwan

M.S. in Computer Science Engineering,

Sept. 2021 – June, 2023

### TungHai University (THU), Taichung, Taiwan

B.S. in Information Management, GPA 4.08/4.3

Graduated in June, 2021

**Language:** Mandarin– native/ English– fluent/ Taiwanese – fluent

### Skills 、 Talent:

- C/C++/Python Programming
- AI / Federated Learning
- Program/Project Management
- Financial Technology
- Trade 、 Investment
- Professional Communication

## PROFESSIONAL EXPERIENCE

### Project Experience

- Lung nodule detection based on Federated Learning Nov. 2021 ~
  - Responsible for modification of aggregation function in Federated Learning, designing data flow and architecture of whole system, project progress management, and system integration.
- Human pose and skeleton detection with cloud computing Sept. 2021 – Dec. 2021
  - Responsible for writing API with Python Flask and embedding Openpose model into it, system back-end serial connection and real-time image processing transmission.
- Post-surgical pulmonary rehabilitation system Nov. 2021 – Dec. 2021
  - Responsible for real-time image processing with camera, detecting human joints and scoring feedback based on the correctness of the patient's rehabilitation activities.

### Side Project Experience

- Algorithmic trading with python Mar. 2022 ~
  - Using computers to make investment decisions in US stock markets, and that makes trades at a speed and frequency that is not possible by a human.

### Internship

- SinoPac Bank Channel Management Division Cash Business Department Intern July. 2022 – Aug. 2022
  - Did Credit card billing workflow RPA, private kindergarten list Crawler, and Internet banking marketing activities survey projects.
- SinoPac Bank Digital Banking Division Intern Jan. 2022 – Feb. 2022
  - Learned many business and operation tools related to the Digital Finance Department of Bank SinoPac, and developed project ideas on related topics, such as: financial and medical co-construction ecosystem, housing loan digital marketing community Operation, operation and marketing of SinoPac's "DAWHO APP", public opinion and data collection and labeling analysis of "SinoPac-Women's Home", etc.
- Concord Securities Co.,Ltd. Salesperson Intern Jan. 2021 – Feb. 2021
  - Did securities salesperson's work, understand overall financial market conditions, and understand the operation mode of various financial products.

### Work 、 Club And Teaching Experience

- "Image process, computer vision, and deep learning" Teaching Assistant In Bachelor's Program (NCKU) Sept. 2021 – Jan. 2022
  - Responsible for assignments, homework corrections, and answering course questions of total 500 students.
- "Computer vision, and deep learning" Teaching Assistant In Master Program (NCKU) Sept. 2021 – Jan. 2022
  - Responsible for assignments, homework corrections, and answering course questions of total 200 students.
- THU EEC work-study students Sept. 2020 – June. 2021
  - Engaged in network administration, hardware maintenance, software maintenance, etc.
- THU Financial Practice Study Club Member Sept. 2020 – June. 2021
  - Started investing in stocks, futures, and options, specializing in technical analysis and trader psychology, and participated in many investment competitions.
- "Data Structure" Teaching Assistant In Bachelor's Program (THU) Sept. 2018 – Jan. 2019
  - Responsible for assignments, homework corrections, and answering course questions of total 100 students.

## EXTRACURRICULAR EXPERIENCE

- THU Creative Resume Contest Get First Place and Best Personality Award Nov. 2018
- THU Academic Excellence Award Jan. 2019
- THU Honors Students June. 2019
- THU Outstanding Teaching Assistant for 2019 Sept. 2020
- THU Financial Case Competition Honorable Mention Dec. 2020