# Chu-Siang Tseng

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## Education

**National Yang Ming Chiao Tung University**                                        *Hsinchu, Taiwan*
Sophomore year of B.S. in Information Management and Finance                         *Sep. 2023 - Jun. 2024*
- Overall GPA: 3.84/4.0

**National Yang Ming Chiao Tung University**                                        *Hsinchu, Taiwan*
Sophomore year of B.S. in Computer Science                                          *Sep. 2024 - Now*

## Skills

**Technical Skills**    Programming: C/C++, Python, PHP, CSS, MPI, OpenMP, MySQL; Tools: Nsight, Docker, Rootless Docker, Slurm

## Honors & Awards

Sep. 2023 **Sliver Medal**, 2023 ICPC Asia-Taiwan Online Programming Contest         *Hsinchu, Taiwan*
Oct. 2022 **Bronze Medal**, 2023 ICPC Asia Taoyaun Regional Programming Contest      *Taoyaun, Taiwan*
Dec. 2023 **Department rank : 1/48**, 2023-fall semester Academic Excellence Award   *Hsinchu, Taiwan*

## Projects

**Quantitative-Trading-Strategies-for-EUR-USD-Market**                              *Hsinchu, Taiwan*
A quantitative trading backtesting model applies various strategies to specified financial            *Jan. 2024*
market data.
- Developing tools and packages: Python, TA-Lib, pandas
- Implementing strategies such as SMA, RSI Cross, and Triple Cross Strategy.
- Project Link: https://github.com/chu-siang/Quantitative-Trading-Strategies-for-EUR-USD-Market

**Online-Voting-System**                                                            *Hsinchu, Taiwan*
The Online Voting system write with PHP && MySQL                                     *July. 2024*
- Developing Tool: HTML, CSS, PHP, MySQL
- This project is an online voting system developed using PHP and MySQL. It provides a platform for conducting secure and efficient elections.
- Project Link: https://github.com/chu-siang/Online-Voting-System

## Certificates

2024    **Havard University CS50 Artificial Intelligence certificate**, Havard University
2024    **Havard University CS50 Python certificate**, Havard University

## Experience

**2024 Summer HPC x AI High-Performance Computing and Artificial Intelligence Summer Camp**              *Hsinchu*
NCHC - NTHU                                                                          *Aug. 2024*
- Study Topic: Advanced CUDA Programming and Memory Optimization, with a focus on understanding the fundamentals of MPI, OpenMP, and CPU/GPU technologies

**2024 NCHC Open Hackathon**                                                        *Hsinchu*
NVIDIA - NCHC - OpenACC                                                              *Nov 13, 2024 - Dec 4, 2024*
- Research Topic: Using Different framework and method to speed up the NVLM 72B inference

**Competition Team2 Lead**                                                          *Hsinchu*
NYCU SDC HPC team                                                                    *Jul 1, 2024 - Now*
- Guided team members in utilizing the HPC system (Slurm), employing profiling tools (VTune, Nsight, etc.), and optimizing code performance through parallel programming techniques.