

Pang-Chun Chung

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Summary

Computer Science student at NYCU, passionate about software development, algorithms, data structures, machine learning and competitive programming. Proficient in C++ and Python, with hands-on experience in deep learning frameworks (PyTorch and TensorFlow) and optimization algorithms. Proven problem-solving abilities demonstrated by ICPC medals. A quick learner and team player, eager to apply skills in real-world projects within a dynamic environment.

Education

National Yang Ming Chiao Tung University

B.S. IN COMPUTER SCIENCE

Hsinchu, Taiwan

Sep. 2022 - Expected June 2026

- **Relevant Coursework:** Data Structures, Algorithms, Database, Operating System, Machine Learning, Optimization Algorithms, Probability

Skills

Programming Techniques	Proficient in C/C++, Python; familiar with SQL
ML Frameworks	Advanced in Algorithms and Data Structures; experienced with Git version control
Languages	PyTorch, TensorFlow, Scikit-learn
	Chinese, English

Awards

2023	Silver Medal , ICPC Asia Taiwan Online Programming Contest	Taiwan
2023	Bronze Medal , ICPC Asia Taoyuan Regional Programming Contest	Taoyuan, Taiwan
2024	Expert Level , Collegiate Programming Examination (Top 1.7%)	Taiwan

Projects

LLM Inference Optimization on T4 GPU

COURSE FINAL PROJECT OF EDGEAI @ NYCU

Jun. 2025

- Built an optimized inference pipeline for LLaMA-3.2-3B on a single T4 GPU using **LoRA**, **knowledge distillation**, and **quantization**.
- Achieved over **5× inference speedup** while maintaining **perplexity ≤ 11.5** through backend optimization.
- Ranked **4th** out of 38 in class based on model performance, reproducibility, and efficiency. [\[GitHub\]](#)

BERT for Multi-Label News Classification

COURSE FINAL PROJECT OF INTRODUCTION TO ARTIFICIAL INTELLIGENCE @ NYCU

Jun. 2024

- Utilized Transformer-based **BERT** to perform **multi-label** text classification on news articles.
- **Re-labeled** a single-label dataset into a multi-label format to improve classification granularity.
- Developed an interactive **web demo** using **Flask** and **HTML**, allowing users to input text and visualize classification results. [\[GitHub\]](#)

Implementation and Analysis of SARAH Algorithm

COURSE FINAL PROJECT OF OPTIMIZATION ALGORITHM @ NYCU

Dec. 2024

- Implemented the **SARAH** algorithm based on *SARAH: A Novel Method for Machine Learning Problems Using Stochastic Recursive Gradient*.
- Compared and analyzed **SARAH** with **SVRG**, evaluating convergence rate, stability, and computational efficiency. [\[GitHub\]](#)

Extracurricular Activity

NYCU Programming Challenging Contest Association (PCCA)

Hsinchu

MEMBER

Sep. 2022 - PRESENT

- Attended weekly training sessions and participated in Codeforces contests to enhance problem-solving skills.
- Compiled and maintained a team codebook covering essential algorithms and data structures for competitive programming. [\[GitHub\]](#)

C++ Programming for High School Students

Hsinchu

PRIVATE TUTOR

Jul. 2024 - PRESENT

- Conducted weekly C++ programming lessons for high school students, covering algorithms, data structures, and problem-solving.
- Developed customized learning materials and coding exercises to help students prepare for **APCS certification exams**.