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 *Hsinchu, Taiwan*

B.S. in Computer Science *Sep. 2022 - Expected June 2026*

- **Relevant Coursework**: Data Structures, Algorithms, Database, Artificial Intelligence, Optimization Algorithms, Probability (All A+)

Skills

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

BERT for Multi-Label News Classification

Course Final Project of Introduction to Artificial Intelligence *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 *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**.