Hsin-Jui, Chen

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Education

National Taiwan University Taipei, Taiwan

Master of Computer Science and Information Engineering Feb. 2026 - Present (Expected: Jan. 2028)

Bachelor of Computer Science and Information Engineering Aug. 2022 - Jan. 2026

Minor in Mathematics | *GPA: 4.23 / 4.3*

Relevant Coursework:

- Algorithms & Data Structures: Data Structures and Algorithms, Algorithm Design and Analysis.
- Mathematics: Probability, Linear Algebra (Mathematics Department), Analysis (Honor).
- Machine Learning & AI: Machine Learning, Applied Deep Learning.
- Economics: Macroeconomics.

Skills:

- Languages: Familiar with C, C++, CUDA, Python, and LaTeX; basic knowledge of Rust.
- English Ability: TOEIC 945/990.

Mathematical Olympiad Experience

Asian Pacific Mathematical Olympiad Bronze Award, 2021

Asian Pacific Mathematical Olympiad Honourable Mention Award, 2022

National Mathematical Olympiad Team Selection Camp Final-Round Participant, 2021

Lab Experience

Wireless Networking and Embedded Systems Lab, National Taiwan University Taipei, Taiwan

Master's Student Feb. 2026 - Present (Expected: Jan. 2028)

- Studying recent developments in in-flash computing and exploring applications in AI systems.

Wireless Networking and Embedded Systems Lab, National Taiwan University Taipei, Taiwan

Undergraduate Individual Study Sep. 2024 - Dec. 2024

- Studying Zenoh (NDN) and its internals in Rust, developing tools to profile network performance.

Institute of Information Science, Academia Sinica Taipei, Taiwan

Undergraduate Research Intern Jul. 2024 – Aug. 2024

- Conducting research on **Handwritten Mathematical Expression Recognition (HMER)** using deep learning (Transformers, autoregressive models, Mamba) in PyTorch, and collaborating with senior researchers on state-of-the-art methods.