CHANG Yung-Hsuan

Email: eiken59@icloud.com   LinkedIn   My Website   *Latest version of my CV*

EDUCATION

National Yang Ming Chiao Tung University   Hsinchu City, Taiwan
Bachelor of Science in Applied Mathematics   August 2022 – June 2026

École polytechnique   Palaiseau, France
International Exchange Program   September 2024 – June 2025

HONORS

PTSGI.com 23rd Translation Scholarship   January 2026
PTSGI.com (Presidential Translation Service Group International)
Selected as one of the 30 recipients in the translation competition for Japanese-to-English translation.

College of Science Dean Award   October 2025
College of Science, National Yang Ming Chiao Tung University
For ranking in the top 10% of the department in my first three years of undergraduate study.

Outstanding Student Overseas Exchange Scholarship   June 2024
National Yang Ming Chiao Tung University & the Ministry of Education
For my exchange program at École polytechnique in France.

Mathematics Presidential Award   September 2023 & February 2023
Department of Applied Mathematics, National Yang Ming Chiao Tung University
For my academic performance in applied mathematics in my first year of undergraduate study.

Honor Student   May 2023
National Yang Ming Chiao Tung University
For ranking in the top 5% of the department in my first semester of undergraduate study.

SKILLS

Programming Python, C++, and R; LaTeX and typst.

Languages Mandarin, English (CEFR C1), Japanese (JLPT N2), and French (roughly CEFR B1).

Certificates SOA Exam P (July 2025) and Exam FM (December 2025, preliminary pass).

PROJECTS

Study of Hitting Time and Probability   July 2025 – February 2026
     for Random Walks in One and Two Dimensions
College Student Research Project, National Science and Technology Council
Studying the hitting time and probability of simple random walks in one and two dimensions, supervised by Prof. Yuki CHINO. Funded by the National Science and Technology Council with project number 114-2813-C-A49-139-M.

The Gambler's Ruin Problem for One-Dimensional September 2025 – December 2025
Random Walks: Simple Symmetric Random Walk and Some Extensions

Semester-long Project, Individual Directed Study (I), National Yang Ming Chiao Tung University
Studied the gambler's ruin problem in a more general setting with the book *Random Walk: A Modern Introduction* by G. F. Lawler and V. Limic, supervised by Prof. Yuki CHINO. See my poster.

Credit Card Default Detection Using Machine Learning February 2025 – June 2025

Final Group Project, Machine Learning, École polytechnique
Developed a supervised machine learning pipeline to detect credit card default using real-world data with feature importance analysis and evaluation metrics. See my repository.

Chessbot Project: Cagnus November 2024 – January 2025

Final Group Project, Object-oriented Programming in C++, École polytechnique
Built a pure C++ chess engine without any non-standard libraries, achieving a final cross-match ranking of 9th out of 26 in the class. See this repository.

Before Finance June 2024 – July 2024

Summer Research, Department of Applied Mathematics, National Yang Ming Chiao Tung University
Discussed topics on the gambler's ruin problem in a discrete setting and martingales in a measure-theoretic setting under Prof. Yuki CHINO.

WORK EXPERIENCE

Teaching Assistant September 2025 – December 2025

Department of Applied Mathematics, National Yang Ming Chiao Tung University
Marked homework and exams for Probability Theory under Prof. FANG Xiang.

Camp Counselor August 2025

Office of International Affairs, National Yang Ming Chiao Tung University
Collaborated with other student staff members to plan and lead a two-week program for coding and language immersion for Japanese university students.

Private Tutor September 2024 – June 2025 & April 2023 – June 2023

Tutored students with customized handouts.

Teaching Assistant September 2023 – June 2024

Department of Applied Mathematics, National Yang Ming Chiao Tung University
Conducted office hours and marked exams for Calculus A (I) and (II) under Prof. Yuki CHINO.

Academic Tutor October 2023 – November 2023 & April 2024 – May 2024

Center of Teaching and Learning Development, National Yang Ming Chiao Tung University
Tutored overseas students in Calculus A and conducted weekly sessions with customized handouts.