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

HONORS

College of Science Dean Award　　　　　　　　　　　October 2025

Awarded by the College of Science, National Yang Ming Chiao Tung University.

Outstanding Student Overseas Exchange Scholarship　　　　June 2024

Awarded by National Yang Ming Chiao Tung University and the Ministry of Education.

Mathematics Presidential Award　　　September 2023 & February 2023

Awarded by the Department of Applied Mathematics, National Yang Ming Chiao Tung University.

Honor Student　　　　　　　　　　　　　　　　　　May 2023

Awarded by National Yang Ming Chiao Tung University.

SKILLS

Programming Languages

Python, C++, and R.

Spoken Languages

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

Certificate

SOA Exam P.

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 National Science and Technology Council with project number 114-2813-C-A49-139-M.

The Gambler's Ruin Problem for One-Dimensional　　Sepctember 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

Studying 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.

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

Final Group Project, CSC_2S004_EP - 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 this repository.

Chessbot Project: Cagnus   November 2024 – January 2025

Final Group Project, CSC_2S001_EP - 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

Marking 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 three other student staff members to plan and lead a two-week program for coding and language immersion for Japanese university students, coordinating team efforts and structuring the students' schedules.

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

Tutored students with customized handouts in LaTeX and Typst.

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 Calculus A (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 international students in Calculus A (I) and Calculus A (II), conducting weekly sessions and creating handouts in LaTeX.