

CHANG Yung-Hsuan

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[LinkedIn](#)

[My Website](#)

[Latest version of my CV](#)

EDUCATION

National Yang Ming Chiao Tung University

Bachelor of Science in Applied Mathematics

Hsinchu City, Taiwan

August 2022 – Present

École polytechnique

International Exchange Program

Palaiseau, France

September 2024 – June 2025

HONORS

College of Science Dean Award

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

October 2025

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 (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

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

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, 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	
	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 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 .	