

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

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 (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, [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 .