

Yu-Ting Hsiung

[GitHub](#) [LeetCode](#) [LinkedIn](#) [Blog](#)

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EDUCATION

National Taiwan University

Bachelor of Computer Science and Information Engineering

Bachelor of Mathematics (double major)

Taipei, Taiwan

Aug 2018 – Present

Aug 2019 – Present

WORK EXPERIENCE

• Tricuss

Taipei, Taiwan

Co-founder, Software Engineer

Oct 2021 - Jul 2022

- Designed an app integrating message system and document collaboration tool.
- Designed a time-box selector and calendar date picker for users to organize appointments and events.

• LEJU Technology

Taipei, Taiwan

Intern Backend Engineer

Feb 2021 - Sep 2021

- Maintained the application.
- Designed a Taiwan estate address normalization system. Cleaned unorganized estate data (20 millions+ of records) with Pandas. Organized the data and presented it with Google Datastudio.
- Optimized estate data processing and merging algorithm, and optimized the program by 100+ times faster.

• Sprout

Taipei, Taiwan

Python Lecturer, Academic Project Manager

Spring 2019, 2020, 2021 and 2022

- Taught senior high school students about Python and algorithms.
- Managed the lecturers and enhanced lectures' quality.

• NTU CSIE and Mathematics

Taipei, Taiwan

Teaching Assistant

Feb 2020 - Jun 2022

- **Data Structure and Algorithm:** TA Team Lead. Designed homework.
- **Algorithm Design and Analysis:** Designed weekly mini-homework and hand-written homework.
- **Calculus (general mathematics).**

• APCS Camp

Taipei, Taiwan

Teaching Assistant, C/C++ programming problem designer

Summer 2021 and 2022

RELEVANT COURSES

Discrete Mathematics	A+	Linear Algebra (I)	A
Introduction to Computer Programming	A+	Linear Algebra (II)	A-
Data Structures and Algorithms	A+	Optimization Algorithms	A+
Algorithm Design and Analysis	A+	Prediction, Learning, and Games	A
Game Theory	A+	Machine Learning	A

PROGRAMMING SKILLS

- **Languages:** C, C++, Python, Javascript, Typescript, SQL, Java, PHP
- **Technologies:** Next.js, Bootstrap, Node.js, socket.io, Linux, Git, \LaTeX , Pandas, NumPy, Laravel

SCHOOL CLUB EXPERIENCE

• NTU Cycling Club

Taipei, Taiwan

President, Facebook Page Manager and General Affairs

Feb 2019 - Jan 2022

- Played the main role in organizing events and recruited 50+ new members.
- Organized a 5-day trip in eastern Taiwan (20+ participants) in Winter 2021.