

# Yu-Ting Hsiung

[GitHub](#) [LeetCode](#)

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## EDUCATION

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### 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

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- **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 - May 2021 and Summer 2021*
  - Maintained the website. Traced code and fixed deprecated code. Cleaned up repeated code and refactor.
  - Built a micro-service to clean unorganized estate data (2 millions+ of records) with Python.
  - Designed a Taiwan estate address normalization system.
  - 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 algorithm.
  - Managed the lecturers and enhanced lectures' quality.
- **NTU CSIE and Mathematics** Taipei, Taiwan  
*Teaching Assistant* *Feb 2020 - Jun 2022*
  - **Data Structure and Algorithm:** Designed homework. Leader of a TA team.
  - **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

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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

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- **Languages:** C, C++, Python, Javascript, Typescript, SQL, Java, PHP
- **Technologies:** React, Next.js, Bootstrap, Linux, Git, L<sup>A</sup>T<sub>E</sub>X, Laravel

## SCHOOL CLUB EXPERIENCE

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- **NTU Cycling Club** Taipei, Taiwan  
*President, Facebook Page Manager and General Affairs* *Feb 2019 - Jan 2022*
  - Played the main role organizing events and recruited 50+ new members.
  - Organized a 5-day trip in the eastern Taiwan (20+ participants) in Winter 2021.