



## Yi-Yun Cheng 鄭益昀

I am a third year student at the National Taiwan University (NTU), majoring in Computer Science and Double majoring in Biological Science. I aim to enrich my college experience through involving myself in a variety of academic, social and sporting events, and evolve into a better, more mature person through it. Hopefully, I can one day install meaningful change to Taiwan and the world through my contributions to the informational world.

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Taipei, Taiwan

## Education 學歷



International School of Kuala Lumpur

吉隆坡國際學校

January 2011 ~ June 2018



Department of Computer Science and Information Engineering, National Taiwan University

國立台灣大學 資訊工程學系

September 2018 ~ present



Double Major in Department of Biological Science, National Taiwan University

國立台灣大學 生命科學系 雙主修

September 2019 ~ present

## Grades and Achievements 考試、成績與獎勵

- **Scholarships and Awards**  
Academic Excellence Award, CSIE Spring 2019  
(台大資工書卷獎)  
Academic Excellence Award, CSIE Spring 2020  
(台大資工書卷獎)
- **Language Aptitude Test Score**  
TOEFL: 119/120
- **Cumulative GPA**  
4.20/4.30

## Research and Work Experience 研究與工作經驗

- **Research Internship, Institute of Information Science, Academia Sinica 中央研究院資訊科學研究所 實習生**  
*July 2020 - December 2020*  
Spent the summer of Sophomore year engaging in a research project in Professor Ting-Yi Sung's lab that aims to improve the accuracy of Protein Quantification through the use of Machine Learning. Developed a complex project that incorporated pandas, numpy and scikit-learn to perform data cleansing and analysis.
- **Network Administration and System Administration Team, NTU CSIE 網路管理與系統管理團隊 成員**  
*September 2020 - present*  
Part of the Network Administration and System Administration team, which is responsible for maintaining the servers, networks, and any other related services provided by NTU CSIE to the general public and to Undergraduate Students. Required skills include a profound understanding of linux architectures and network architecture.
- **Data Structures and Algorithms, Teaching Assistant 資料結構與演算法設計 助教**  
*March 2020 - July 2020*  
Data Structures and Algorithms (DSA) is the required course for first year undergraduate students. The topics range from basic Data structures like linked list, to more advanced structures like Red Black Tree. TA's are responsible for assigning and grading homework and exams, leading in-class activities, and providing after class help.
- **Calculus B, Teaching Assistant 微積分乙 助教**  
*September 2020 - present*  
Calculus B is the required course for many undergraduate students in the biology and agricultural college. A basic yet comprehensive introduction to calculus is taught. TA's responsibility mainly include the TA class hosted every week, where we are responsible for reviewing the class material with them and hosting the semi-weekly quiz.
- **Lecturer for Topedia at Kang Chiao International School 拓普國際教育 林口康橋 資訊組講師**  
*September 2020 - present*  
Topedia is an educational organization dedicated to teaching and inspiring students from all age and group in the various fields of knowledge. I am a part of the information Science team, and is in charge of teaching the fundamentals of python. In Spring 2021, I will transform into the role of facilitator for their individual projects.

- **Unofficial Internship at the Institute of Biological Chemistry, Academia Sinica** 中央研究院 生化所 實習生  
*July 2018 – August 2018*  
 Assisted in the research of master students. I applied into the internship through a 29 page review paper on the CRISPR/Cas9 system written in the summer of 2016.

## Extracurricular Experiences 課外經歷

- **International Youth Ambassador, Ministry of Foreign Affairs** 外交部國際青年大使  
*July 2019 - September 2019*  
 Selected from over 1400 students across Taiwan, we were trained by MOFA to help strengthen international relationship by promoting Taiwanese Culture. 75 of us were sent to countries mainly in the new southbound policy over 10 days to promote cultural exchange.
- **AIS3 EOF, Ministry of Education** 教育部資安搶旗競賽  
*February 2021*  
 AIS3 EOF is a Capture The Flag security competition hosted by the Ministry of Education annually. We were ranked number 10 in both the preliminary round and the final.
- **ISKL Varsity Debate Team** 辯論校隊  
*2018*  
 I was selected for the varsity debate team in 12th grade. We participated in many events including SEA forensics and IASAS forensics and debate. We received a bronze medal in IASAS 2018 forensics and debate, and I was awarded the top 10 speaker of the event.
- **ISKL Varsity MUN Team** 模擬聯合國校隊  
*2017, 2018*  
 I was selected for the varsity Model United Nations team in 11th and 12th grade, and participated mainly in the IASAS MUN event hosted annually by the IASAS schools.

## Leadership Experiences 領導經歷

- **President of NTU Toastmasters** 台大國際英語演講社 社長  
*January 2019 - June 2019*  
 Toastmasters is an international organization dedicated to training public speakers and leaders of the future. I was the president of the NTU branch and helped organized the club activities and communications. I was also the youngest president in the history of the club.
- **Team Leader for CSIE Camp 2019** 台大資訊營 2019 隊輔  
*June 2019 – July 2019*  
 CSIE camp is an annual camp hosted by the Computer Science and Informational Engineering department for Taiwanese High school students. I was in charge of leading a group of 10 students over the course of 7 days to provide them with an overview of what studying in computer science would be like.
- **ISKL President of Robotics Club** 機器人社 社長  
*2017, 2018*  
 I was the president of the robotics club in 11th and 12th grade. We attended the VEX robotics competition hosted in Taipei American School annually, and made the most out of our limited resources and experiences.

## Skills 能力

### Language

English (Native)  
 Mandarin (Native)

### Programming Language

Proficient:  
 Python, Java, C, C++, Javascript

Intermediate:  
 React, NodeJS, Shell

### Programming Skills

Proficient:  
 Linux, Server Architecture, Virtual Machines, Machine Learning, Data Structures, Algorithm Analysis, Federated Learning, Recommender Systems, Backend Development

Intermediate:  
 Frontend Development, Database Management