

Jian-Fong Yu

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Education

National Yang Ming Chiao Tung University

JUNIOR YEAR OF B.S. IN COMPUTER SCIENCE

Hsinchu, Taiwan

Sep. 2021 - Now

- Overall GPA: 4.27 / 4.3 (Ranked 1st out of 177 students in the department)
- TOEFL iBT: Total 103 / Reading: 29 / Listening: 27 / Speaking: 21 / Writing: 26

Experience

Wireless Internet Research and Engineering Laboratory

UNDERGRADUATE RESEARCH ASSISTANT

Hsinchu, Taiwan

Sep. 2023 - Now

- Research Topic: Digital Twin Application
- Advisor: Jyh-Cheng Chen

Honors & Awards

OFF-CAMPUS

President Hu Boyuan Memorial Scholarship, Scholarship for computer science students

Nov., 2022

1st at Maker Group, 2022 MeiChu Hackathon

Oct. 2022

ON-CAMPUS

Honor Student in 2nd Semester of 2022 Academic Year, Top 5% student in the class

Dec., 2023

Fundamental Course Award of Computer Organization, Top 5% student in the course

Oct., 2023

Fundamental Course Award of Intro. to Algorithm, Top 5% student in the course

Mar., 2023

Honor Student in 2nd Semester of 2021 Academic Year, Top 5% student in the class

Jan., 2023

Honor Student in 1st Semester of 2021 Academic Year, Top 5% student in the class

Apr., 2022

Projects

📄 Static Web

INTRO. TO NETWORK PROGRAMMING COURSE HOMEWORK 1

Nov. 2023

- Created a static web application capable of handling multiple HTTP and HTTPS requests concurrently, achieving a transfer rate of 3.8GB/s.
- Implemented epoll and threading techniques to efficiently manage a large number of connection requests.

📄 DNA Encryption

CRYPTOGRAPHY ENGINEERING COURSE PROJECT

May. 2023

- Developed a Python program capable of encrypting text or images into DNA sequences and decrypting them.
- Implemented Adaptive Huffman encoding for file compression and utilized LFSR to generate a one-time pad (OTP) for file encryption.

Extracurricular Activity

Computer Science Student Association in NYCU

PUBLIC RELATIONS TEAM MEMBER

May. 2022 - Jul. 2023

- Wrote articles to advocate fundamental knowledge within the field of computer science. 📄 Medium
- Organized a Christmas dance party and a Computer Science Night, seeking sponsorship from businesses.

NYCU Music Game Club

TREASURER

Jul. 2022 - Jul. 2023

- Managed the club's budget, ensuring that financial resources are allocated appropriately and transparently.
- Planned a cross-school club exchange event in collaboration with Tunghai University.

NYCU Pop Dance club

MEMBER

Sep. 2022 - Now

- Developed stage presence and confidence through dance performances and events.
- Collaborated closely with team members within a dance society, fostering teamwork and enhancing interpersonal skills.
- Demonstrated effective time management skills by successfully balancing dance rehearsals with other commitments.