

SUNG-YAN HSIEH

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EDUCATION

University of California San Diego (UCSD)

La Jolla, CA

M.S. in Computer Science and Engineering

Sep. 2021–June 2023(expected)

National Cheng Kung University (NCKU)

Tainan, Taiwan

B.S. in Life Science (GPA:3.67/4.3)(3.66/4.0)

Sep. 2016–June 2020

- Relevant courses: Introduction to computer science, Introduction to Python Programming, Computer Programming (C++), Introduction to Bioinformatics, Introduction and Practice of Bio-Databases (PHP, MySQL), Discrete Mathematics, Applied Linear Algebra, Calculus, Biostatistics

SCHOLARSHIP & AWARDS

Shi-De Kuo Memorial Scholarship, Department of Life Science, NCKU

Sep. 2017

- Received NTD 5,000 for outstanding academic performance

Excellence Award, Competition of Fundamental Subjects, NCKU

June 2017

- Scored top 3% in biology

Academic Excellence Award, NCKU

Sep. 2016–June 2017

- Top 5% of class for 2 consecutive semesters

RESEARCH

Genetics and Molecular Biology Laboratory, NCKU

Feb. 2019–Dec. 2019

Title: The function of CHD1L in the DNA damage tolerance pathway; advised by Dr. Hung-Jiun Liaw

- First person to successfully apply the in-fusion method to merge CHD1L gene in pLNCX plasmid
- Required skills: CRISPR, In fusion PCR, transformation, primer design, plasmid purification, DNA sequencing

WORK EXPERIENCE

Taipei City Hall

Taipei, Taiwan

Alternative Military Service

Sep. 2020–Feb. 2020

- Catalog official documents of the Taipei City Government and maintain its website

Greenet Orchid Company

Chongqing, China

Internship

July 2017–Aug. 2017

- Worked as a data analyst at the orchid tissue culture startup
- Evaluated and determined the ideal environment for orchid flower growth by analyzing fertilizer proportion data

ACTIVITY & LEADERSHIP

Financial and General Affairs, NCKU Orchestra

Sep. 2017–June 2018

- Organized the annual concerts and charity concert tours in three cities, reaching a total audience of 1,100

Incoming Global Talent Team, AIESEC NCKU

Feb. 2017–June 2017

- Mentored 2 International Trainees during their internships at a local hotel and an English language institute
- Developed partnerships with local companies, such as Leadgene Biomedical, Inc., for International Internship placement

ADDITIONAL

Computer Skills: C++, Java, Python, PHP, MySQL, and Git