

YU-WEN YANG

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EDUCATION

University of Illinois at Urbana-Champaign, School of Information Sciences **Champaign, IL**
Master of Science in Information Management (STEM; Data Science Concentration), GPA: 3.77/4.0 Graduation: May 2026

Chang Gung University (CGU), AACSB-accredited **Taoyuan, Taiwan**
Bachelor of Science, International Program of Health Informatics and Management June 2022
Minor in Information Management, GPA: 3.78 /4.0
Program of Information Security with Medical Applications, September 2018 - June 2022

PROFESSIONAL EXPERIENCE

University of Illinois at Urbana-Champaign, School of Information Sciences **Champaign, IL**
Volunteer Research Assistant September 2024 - Present

MediaTek **Hsinchu, Taiwan**
Software Test Engineer June 2023 - June 2024

- Utilizing Linux expertise for troubleshooting issues, developing and executing test plans for advanced smart TV firmware, actively contributing to software quality by resolving defects in a timely manner and collaborating with developers at all levels

Undergraduate Thesis, Chang Gung University **Taoyuan, Taiwan**
Evolution and Analysis of the Global Novel Coronavirus (Covid-19) in the Post-pandemic Era (Oral Presentation)
[Paper link](#) In International Conference on Medical Design (MD 2022), First Author November 2022
Supervisor: Prof. Shu-Yen Wan

- Utilized MAFFT multiple sequence alignment and FastTree algorithms to construct an evolutionary map of virus mutation by establishing a phylogenetic tree of various pathogens to compare their internal dynamics
- Analyzed each variant strain and the number of cases using R programs and explored the causes and effects

CAPSTONE Project, Chang Gung University **Taoyuan, Taiwan**
Customized Health Promotion Model for Diabetes and Hypertension September 2020 - June 2021

- Implemented mathematical models, crawlers, and databases to provide users with customized suggestions to improve their health

Mobile APP Design, Chang Gung University **Taoyuan, Taiwan**
[Locate, then Book](#) (Language: Java) September 2021 - June 2021

- Created an Android app that helps users find the nearest movie theater and book tickets quickly

Windows Programming, Chang Gung University **Taoyuan, Taiwan**
Dog Finder (Language: Visual Basic) March 2021 - June 2021

- Created a search engine which assists people in finding a dog that meets their specific criteria

AWARDS & COMPETITIONS

Merit Award, Girls in CyberSecurity (GiCS) Competition, Ministry of Science and Technology, Taiwan 2022
Third Place, Maker and Cross-Field Innovation Competition and Individual Awards, CGU, Taiwan 2021
Award for Excellent Conduct and Learning, Industrial Technology Research Institute, Taiwan 2019 – 2020
Academia-Industry Collaboration Scholarship, 1100 USD in total 2018 – 2022

LEADERSHIP & ACTIVITIES

Leader, GiCS Competition, Ministry of Science and Technology, Taiwan Feb. 2022 - June 2022
Transformative educational experience, Beci, Philippines Jan. 2023 - Apr. 2023
One-day Technical Assistant Intern, Microsoft Internship Program Mar. 2020
Childcare Volunteer, Activity Planner, Kaohsiung Area Alumni Association, Taiwan May 2019
Elder Care On-Site Visit and Field Trip, Historical Survey of Public Health Feb. 2019 - May 2019

ADDITIONAL

Certificate: R Language and Big Data Knowledge, Silicon Stone Education, Taiwan February 2022 - June 2022
Training: Course in Cisco Certified Network Associate July 2019 - December 2019
Technical Skills: Java, R, MySQL, Android, C++, Linux, Python, VB, Microsoft Office Suites (Excel, Power Point)
Language: Mandarin (Native), English (Bilingual), Taiwanese (Bilingual)