Ting-Hsuan Chen

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WORK EXPERIENCE

National Yang Ming Chiao Tung University

Research Assistant   Jan 2024 - Jun 2024

· Entered Prof. Yu-Lun Liu's laboratory and participated in the Google industry-academic collaboration project about obstruction removal

Foxconn, Hon Hai Precision Industry Co., Ltd, Taiwan

R & D Engineer   Oct 2023 - Dec 2023

· Designed and Developed API
· Developed a novel patented system that met international medical certifications, integrating three major technologies: AI, CV, and signal processing.
· Represented Foxconn in various medical conferences

Intern   Jul 2023 - Sep 2023

· Built and trained AI models
· A range of tasks, spanning from establishing APIs to facilitate communication between software components, developing application systems, to managing databases, and maintaining servers

EDUCATION

National Chung Hsing University (NCHU), Taiwan

Department of Applied Mathematics (DAM) - Computer Science Group   Sep 2019 - Jun 2023

· Final Average Score: **96.6%**; GPA: **4.27/4.3**
· Graduated as the Top 1 student, achieving the first position in each of the eight semesters
· Admitted as the representative of the College of Science to the Phi Tau Phi Honor Society
· Elected to serve as the Valedictorian; Served as the Class President for four years

SELECTED PROJECTS

· Neural ODE and B-spline transformer GPU version (Python)
· Simple Account Management System (Java, MySQL)
· Automatic Seedling Detection Neural Network (PyTorch)
· Automatic Course Selection Crawler (Selenium, Beautiful Soup)
· GAN-Based Rain Streak Removal Neural Network (TensorFlow)

EXTRACURRICULAR ACTIVITIES

Information Department, Student Association of DAM, NCHU

Founder and Director   Sep 2022 - Jun 2023

· Drafted proposals, applied for funding, and planned departmental courses
· United passionate students in information, collaborated on project development, and gained practical experience collectively

Student Association of DAM, NCHU

Network Administrator   Jan 2020 - Jun 2023

· Managed network hardware devices and installed, configured, and maintained network-related software
· Quickly addressed network failures and tracked the resolution of issues
· Offered programming tutorials to enhance the professional skills of fellow students

Department of Applied Mathematics, NCHU

Teaching Assistant   Sep 2021 - Jun 2022

· Assisted in teaching the Statistics and Data Science courses
· Provided additional learning support to fellow students

SKILLS

· Programming: Python, C, Java, MySQL, MATLAB, HTML, CSS, JavaScript, LaTeX
· Languages: Native in Chinese; Fluent in English