HUANG, Po-Wei (George)

+65 8891 3219

huangpowei22@u.nus.edu

A resourceful multidisciplinary future computer scientist. A task-driven leader. Dedicated and responsible.

EDUCATION

National University of Singapore (NUS)   **Aug 2020 – Present**
- Bachelor of Computing in Computer Science With Second Major in Mathematics   CAP 4.95/5.00
- Dean's List Fall 2020, Spring 2021

Nanyang Technological University (NTU)   **Aug 2019 – May 2020**
- Double Degree in Business and Computing
- Bachelor of Engineering (Computer Science)   CAP 4.91/5.00
- Bachelor of Business (Business Analytics)   CAP 4.83/5.00
- Transferred at End of Year 1

WORK EXPERIENCE

School of Computing, NUS   **Jan 2021 – Present**
Teaching Assistant
- Taught Data Structures and Algorithms lab sessions for three semesters
- Provided consultation and pseudocode grading for students

Taiwan Semiconductor Manufacturing Company, Ltd. (TSMC)   **Jul 2021 – Sep 2021**
Information Technology Intern
- Created Dockerized discussion forum for in-house deployment
- Trial tested mechanism for database hosting and connection on Kubernetes
- Adapted access dashboard interface for Kubernetes hosted NoSQL database

RESEARCH EXPERIENCE

Web Information Retrieval/Natural Language Processing Group, NUS (WING)   **Apr 2021 – Present**
Undergraduate Researcher / Supervisor: A/P Kan, Min-Yen
- Explore neural network usage in transfer learning for logical structure extraction
- Adapt multi-level attention framework for contextual extraction
- Adapt deep semi-supervised learning techniques for model enhancement

National Cheng Kung University (NCKU)   **Sep 2018 – May 2019**
Student Researcher / Supervisor: Professor Lin Hung-Ping
- Tested durability of aluminum-carbon batteries
- Experimented on bio-carbon based electric double layer capacitors
- Created RC circuit based capacitance meter on Arduino

CO-CURRICULAR ACTIVITIES

NUS Investment Society   **Sep 2020 – Jun 2021**
Quantitative Engineer, Quantitative Finance Department
- Conducted analysis on quantitative personal portfolio creation with multi-factored regression

NUS Student for the Exploration and Development of Space (NUS SEDS)   **Oct 2020 – May 2021**
Science Specialist, Rover Team
- Designed drill system and sensor integration for a Mars rover prototype powered by Arduino

Experimental High School Curriculum for MOE, Taiwan   **Sep 2018 - May 2019**
Assistant Developer
- Designed beta-tested high school course for forensic science with integration of Arduino based hands-on activity

ADDITIONAL SKILLS AND INFORMATION

Languages: Chinese (Native), English (Professionally Working Proficiency - TOEFL iBT 118/120)
IT Skills: Arduino, C/C++, Docker, Django, Git/GitHub, Java, Kubernetes, Linux/Unix, NoSQL/Cassandra, Python, PyTorch, R, SQL/PostgreSQL, Tableau