

HUANG, Po-Wei (George)

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EDUCATION

National University of Singapore (NUS)

Aug 2020 – Present

- BComp in Computer Science With Second Major in Mathematics
- Dean's List Fall 2020, Spring 2021
- Focus Area: Algorithm and Theory / Artificial Intelligence

CAP 4.95/5.00

Nanyang Technological University (NTU)

Aug 2019 – May 2020

- Double Degree in Business and Computing
- BEng in Computer Science
- BBus in Business Analytics
- Transferred at End of Year 1

CAP 4.91/5.00

CAP 4.83/5.00

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

- Explored neural network usage in transfer learning for logical structure extraction
- Adapted multi-level attention framework for contextual extraction
- Adapted deep semi-supervised learning techniques for model enhancement

Department of Chemistry, 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)

Programming Languages: C/C++, Java, Python, R, SQL (PostgreSQL)

Software Skills: Arduino, Deep Learning (Pytorch), Docker, Django, Git/GitHub, Kubernetes, Linux/Unix, NoSQL (Cassandra), Tableau