

CHING WANG

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EDUCATION

National University of Singapore, Singapore

M.S. in Statistics, Department of Statistics & Data Science

Sep. 2024 - May. 2026(Expected)

National Chengchi University (NCCU), Taiwan

B.S. in Statistics

Cumulative GPA: 3.88/4.3

Sep. 2020 - Jun. 2024

SKILLS

Programming and Machine Learning Frameworks: Python, Pytorch, R, Tensorflow

Data Analysis/Visualization: Tableau, Power BI, SPSS Statistics, SPSS Modeler

Databases and Querying: MySQL, Google BigQuery

PROFESSIONAL EXPERIENCE

Duke-NUS Medical School, National University of Singapore

Research Assistant

Feb. 2025 - Present

- Applied transfer learning to out-of-hospital cardiac arrest data with a score-ranking system, ensuring data privacy while maintaining strong model performance.
- Integrated Pan Asian Resuscitation Outcomes Study(PAROS) data, which includes clinical information from the Pacific region, to aid in developing a new scoring system using transfer learning.

Technical Sales Data team, International Business Machines

Technical Sales Specialist intern

Jun. 2023 - Jul. 2023

- Developed and executed a data mining introduction and product demonstration series, boosting user engagement on LinkedIn by 300%, and contributed to expend potential clients with business partners cooperation.
- Managed over 10 technical issues under mentor's guidance to improve client experience; collaborated with sales team to maintain customer relationship.

SELECTED PROJECT

Analysis of cross-selling discount performance at Shopee trade with Unilever

Jan. 2024 - Jun. 2024

- Analyzed over 600,000 transaction records using data mining techniques and retails domain knowledge to evaluate Unilever's sales performance, and dig out hidden sales trend.
- Considered Taiwanese user behavior and schedule effect, developed a bundling strategy based on varied schedules, resulting in a predicted growth rate exceeding 10%.

Business model and data visualization with Dogger Instrument

Sep. 2023 - Dec. 2023

- Identified key commercial indicators and integrated sales behavior insights to construct predictive models and monitor product trend, enhancing decision-making through redesigned internal dashboards.
- Designed a user-friendly abnormal stock warning system to track inventory levels and detect irregular sales patterns, improving operational efficiency and responsiveness.

ACADEMIC HONOURS

The IMA AI/ML Congress System Holdings Student Prize - First Honour

Sep. 2024

- Received the First Honour Student Prize and was invited to present at the IMA Conference.
- Developed an innovative real-time recommendation system by integrating an intention network, language learning model, and KNN methods in collaboration with a partner, contributing to cutting-edge advancements in recommendation systems.

ATONA Case Competition - First Runner-Up

Jun. 2022

- Achieved First Runner-Up in the National Case Competition and won the Champion title in the SingKong Life Insurance sub-competition, competing against over 1,000 participants.
- Designed a recycling-focused model, projected to scale operations to over 2,700 potential clients monthly; improved financial awareness among local citizens by 65% through cross-department collaboration.