

Yaow Hui Chong

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EDUCATION

University of Nebraska Omaha, Omaha, NE

M.S. in Management of Information System (MIS), May 2022

Concentration: Data Analytics GPA: 3.92/4.00

University of Nebraska-Lincoln, Lincoln, NE

B.S in Business Administration, May 2018

Major: Actuarial Science Minor: Mathematics GPA: 3.77/4.00

WORK EXPERIENCE

University of Nebraska-Lincoln, Lincoln, NE

Data Analyst, January 2022 – Present

- Led the end-to-end development and deployment of ML/DL models, facilitating utility usage predictions and anomaly detection.
- Designed and implemented 10+ CI/CD data pipelines, facilitating data collection from multiple sources and data ingestion into data warehouse for business intelligence and reporting.
- Built and maintained Tableau dashboards and reports to meet business requirements, ensuring streamlined access to key insights and actionable data visualizations.
- Collaborated closely with cross-functional engineering and IT teams to uncover data patterns and translated these insights into actionable recommendations, driving data-driven decision-making processes.
- Conducted hypothesis testing on equipment performance to ensure compliance with standard requirements.

University of Nebraska Omaha, Omaha, NE

Graduate Research Assistant, August 2020 – August 2021

- Assisted professors to conduct comprehensive literature reviews, summarizing existing research and charting the course for future research directions.
- Analyzed datasets in experiments and generated insightful data visualizations and descriptive statistics, significantly contributing to research initiatives.
- Performed hypothesis testing to draw conclusions on the experiments.

Kingsbay Group, LLC, Des Moines, IA

Purchasing Analyst, November 2018 – December 2019

- Conducted thorough cost analysis to ascertain the product profitability for more than 500 products.
- Developed time-series ML models to forecast future sales, ensuring timely and efficiently item replenishment.

Sun Life Financial, Kuala Lumpur, Malaysia

Actuarial Internship, May 2017 – August 2017

- Conducted extensive research in the life insurance market and identified valuable competitive insights to inform strategic product development initiatives.
- Assisted with the launch of two products, Sun Essential series and Sun Hajj.
- Conducted user acceptance tests (UAT) on actuarial models and marketing materials to effectively mitigate risks.

CERTIFICATIONS

- Associateship of Society of Actuaries, SOA, April 2023
- Azure Data Engineer Associate, Microsoft Certified (September 2024 – September 2025)
- Google Advanced Data Analytics Certificate, Coursera, August 2024

SKILLS

Programming Skills: SQL, Python, R, Java, Vue.js, HTML, VBA

Other Technologies: Tableau, Django, Scikit-Learn, TensorFlow, Apache Spark, Git, GitLab CI/CD, Docker, Azure, REST API, Excel