

Yaow Hui Chong

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[LinkedIn](#) | [Portfolio](#) | [Personal Website](#)

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

- Developed and deployed end-to-end business automation solutions, including data collection, data pipelines, database management, and Tableau dashboards to streamline decision-making processes.
- Built predictive models for utility usage prediction and anomaly detection, enabling teams to monitor key metrics, optimize resource allocation, and improve overall performance.
- Collaborated with cross-functional teams to analyze data patterns, prioritize cost-optimization strategies, and deliver recommendations that maximized ROI and operational efficiency.
- Conducted A/B testing on boilers to ensure emissions met state standard requirements, driving compliance and environmental responsibility.

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.

Kingsbay Group, LLC, Des Moines, IA

Purchasing Analyst, November 2018 – December 2019

- Built time-series predictive models to forecast future sales trends, enabling efficient inventory replenishment.
- Designed and developed KPI dashboards to monitor key performance indicators, providing actionable insights for business decision-making.

Projects

- [Stock Price Prediction ETL Pipeline](#): Set up a scalable ETL pipeline to extract daily stock price of some mega cap stocks using Polygon.io API, orchestrated with Apache Airflow on an EC2 instance. Integrated with Facebook's Prophet model for stock price prediction for the next 5 days and visualize the results on my personal website using Plotly.js.
- [Personal Website](#): A personal website deployed on EC2 instance to explore the applications of machine learning algorithms on Natural Language Processing (Sentiment Analysis and Chatbot), Computer Vision (Image-To-Text), and Time Series (Stock Price Prediction).

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: SQL (MySQL, T-SQL, PostgreSQL), Python (Pandas, SciPy, Scikit-Learn, TensorFlow, Hugging Face), R, Java, HTML, VBA

Cloud: AWS, Azure, GitLab, Spark/Hadoop

Visualization: Tableau, Power BI, Matplotlib, Seaborn, Plotly

Other Technologies: Tableau, Apache Airflow, Apache Kafka, Linux, Git, Docker, REST API, Excel, Vue.js, Django, Flask