

EDUCATION

NATIONAL UNIVERSITY OF SINGAPORE

Doctor of Philosophy in Operations Research and Analytics

- Coursework: Stochastic Processes, Foundations of Optimization.

Singapore
Aug 2026 – Present

NATIONAL UNIVERSITY OF SINGAPORE

Master of Science in Business Analytics

- President, NUS Business Analytics Club.

Singapore
Aug 2025 – Aug 2026

NATIONAL UNIVERSITY OF SINGAPORE

Bachelor of Science in Data Science and Analytics

- Second Major in Economics.
- Honors/Awards: Graduated First Class Honours, Dean's List AY2022/2023.

Singapore
Aug 2021 – Jan 2025

WORK EXPERIENCE

JOHNSON & JOHNSON

Data Science Intern

- Migrated four production finance ETL workflows from Alteryx to Python Polars, automating data processing and improving workflow performance.
- Authored a version-controlled SKILL.md for LLM-assisted code review, integrating GitHub Copilot and Ruff to codify team coding standards.

Singapore
May 2026 – Aug 2026

NATIONAL UNIVERSITY OF SINGAPORE

Research Assistant (under Professor James Pang)

- Conducted exploratory research on the relationship between human cognitive biases and hallucinations in large language models, with a focus on explainability and AI safety.

Singapore
Aug 2025 – May 2026

MONETARY AUTHORITY OF SINGAPORE

Data Science Intern

- Established robust data preparation and engineering pipelines, and trained machine learning models to improve anomaly detection capabilities.
- Built interactive dashboards with intuitive front-end user interface that automate data processing and tell compelling data stories, providing insights for making informed decisions.
- Developed user guide and technical documentation to streamline onboarding process and promote staff usage of dashboard analytics.
- Collaborated closely with product managers and stakeholders to ensure alignment between technical output and stakeholder needs.

Singapore
May 2024 – Aug 2024

AMARIS.AI PTE LTD

AI Engineer Intern

- Implemented Python programs utilizing LLMs to optimise the extraction and analysis of complex risk reports.
- Performed statistical techniques such as time series analysis on risk reports to generate insights in a dynamic interface using Plotly Dash, enhancing data-driven decision-making.
- Generated synthetic data using Python Faker to enhance the data analytics project's robustness.
- Developed a Proof-of-Concept chatbot for a leadership simulation game, using generative AI to provide dynamic responses in crisis scenarios, enhancing users' educational experience and immersion.
- Presented findings to senior management to provide updates on data analytics project.

Singapore
May 2023 – Aug 2023

SKILLS AND COMPETENCIES

- **Programming Languages:** Python, R, SQL.
- **Databases:** PostgreSQL, MongoDB.
- **Languages:** English, Mandarin.