

EDUCATION

National University of Singapore (NUS) Aug 2025 – Present
PhD, Industrial Systems Engineering & Management

National University of Singapore (NUS) Aug 2021 – Jun 2025
B.Eng. (Hons), Industrial and Systems Engineering | Minor in Computing

- NUS Merit Scholarship

RESEARCH EXPERIENCE

National University of Singapore Aug 2025 – Present
PhD Research

- Researching data-driven optimisation under uncertainty, with applications to electricity markets and battery storage.
- Exploring dynamic programming approaches using historical electricity-price data.
- Studying how data availability and modelling assumptions affect out-of-sample performance.

National University of Singapore Aug 2024 – Apr 2025
Capstone Project

- Automated data retrieval from public APIs; integrated weather, commodity, and electricity data.
- Conducted statistical analysis for feature selection and feature engineering.
- Developed LSTM-based electricity price forecasting model for Singapore's wholesale electricity market.

National University of Singapore Jan 2026 – May 2026
Teaching Assistant

- IE5604: Practical Deep Learning for Decision-Making

SELECTED PRESENTATIONS

Empirical Dynamic Programming for Battery Price Response: Minimax Regret and Cross-Market Evidence

- INFORMS Annual Meeting 2026, San Francisco, Nov 2026 | Accepted for presentation
- APORS Youth Forum 2026, Singapore, Nov 2026 | Accepted for presentation