

Li Jingying

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EDUCATION

National University of Singapore Aug 2023 – Present

Doctor of Philosophy in Operations Research and Analytics

National University of Singapore Aug 2021 – Jun 2023

Master of Science in Statistics

- Coursework: Stochastic Processes, Deep Learning, Data Mining, Statistical Analysis of Networks
- Capstone Project (Advisor: Prof. Markus Kirchberg): Music Influence Network Link Prediction Based on Exponential Random Graph Models (ERGM).

Xi'an Jiaotong-Liverpool University Sep 2017 – Jul 2021

Bachelor of Science in Applied Mathematics (with First Class Honours)

- Coursework: Operational Research, Optimization Theory, Dynamic Modeling, Programming in Java
- Awards: Academic Achievement Scholarship, Outstanding Student, Honourable Mention of US Mathematical Contest in Modeling, Meritorious Winner of University Mathematical Contest in Modeling
- Final Year Project (Advisor: Prof. Yinna Ye): Passenger Flow Prediction in Bus Transportation System Using ARIMA models with Big Data.

RESEARCH EXPERIENCES AND INTERNSHIPS

Grab | *Data Science Intern (Advisor: Dr. Tenindra Abeywickrama)* May 2022 – Jul 2022, Jan 2023 – Jun 2023

- Experimented with statistical methods and Deep Learning models to provide a more personalized Estimated Time of Arrival (ETA) for drivers to deliver food orders.
- Researched on algorithmic improvements on street front imagery collections routing problem.

Delhivery | *Operations Research Intern (Advisor: Dr. Jaikishan Soman)* Dec 2021 – Apr 2022

- Formulated a Mixed Integer Linear Programming model with Google OR-Tools to solve the Heterogenous Vehicle Scheduling Problem with Estimated Time of Departure (ETD).
- Optimized model's computational performance by incorporating initial solutions and imposing approximated costs.

PROGRAMMING LANGUAGES

Python, R, C++, Java, SQL, SAS, MATLAB