

YUZHOU LIU

Lee Kong Chian School of Business, Singapore Management University
50 Stamford Road, Singapore, 178899 | Email: yuzhou.liu.2023@pbs.smu.edu.sg

EDUCATION

<i>Singapore Management University</i>	<i>Singapore</i>
<i>Ph.D. in Business (Operations Management)</i>	08/2023–Present
<i>Nanjing University</i>	<i>Nanjing, China</i>
<i>M.S. in Mathematics</i>	09/2020–06/2023
<i>Nanjing University</i>	<i>Nanjing, China</i>
<i>B.S. in Mathematics</i>	09/2016–06/2020

RESEARCH INTERESTS

Optimization under Uncertainty, Distributionally Robust Optimization, Operations Management

INTERNSHIP

SRIBD Research Assistant in the Chinese University of Hong Kong, Shenzhen, China 07/2021–06/2022

WORKS IN PROGRESS

Constrained Boolean Quadric Polytope Lift on Distributionally Robust Multi-item Newsvendor Problem with Risk-aversion

- Reduce the complexity from semi-definite NP-hardness with Constrained Boolean Quadric Polytope

Multi-Trip Vehicle Routing Problem with Time Windows and Split & One-off Deliveries

- On a MILP model based on arc insertion for the secondary routing problem with multiple trips, heterogeneous buses and Split & One-off deliveries.

SKILLS

Coding Python\ Matlab\ R\ C++

Language English (fluent), Chinese (Native)