

# Renyuan Li

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National University of Singapore  
Industrial Systems Engineering & Management

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**EDUCATION**      **National University of Singapore**      2023–present  
Ph.D. student, Industrial Systems Engineering & Management  
Advisor: Guanyi Wang

**Nanjing University**      2019–2023  
B.S., Statistics

**PUBLICATION**      **Solving Sparse & High-Dimensional-Output Regression via Compression**  
(\*corresponding author)      Renyuan Li, Zhehui Chen, Guanyi Wang\*  
NeurIPS'24

**Playing Mastermind with Wordle's Feedback**  
Renyuan Li\*, Shenglong Zhu  
The American Mathematical Monthly, 2024

**SELECTED AWARDS**      NeurIPS 2024 Scholar Award      2024  
Finalist, People's Scholarship      2022  
Scholarship for Elite Students      2021 & 2020  
National Undergraduate Innovation Training Program Leader      2021  
Outstanding Student      2020

**WORK EXPERIENCE**      **Quantitative Researcher Intern, X-Square Investment**      June–Aug. 2022  
**Student Researcher, ZhongChu Logistics**      Feb.–May 2022

**TEACHING**      **Teaching Assistant, NUS**  
IE4213/EE4802 Learning from Data      Spring 2024–2026  
IE5268 Theory and Algorithms for Nonlinear Optimization      Fall 2024–2025

**SELECTED TALK**      **Recursive Inequality Bounding Techniques for Optimization Algorithms**  
2026 INFORMS Optimization Society Conference, Atlanta      Scheduled: Mar. 2026

**Solving Sparse & High-Dimensional-Output Regression via Compression**  
2025 INFORMS International Meeting, Singapore      July 2025

**The Erdős Similarity Problem**  
Nanjing University Undergraduate Seminar Series, Nanjing      Apr. 2022

**SERVICE**      Conference Reviewer, NeurIPS 2025