

Renyuan Li

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

RESEARCH INTERESTS Renyuan Li's broader research interests include machine learning, game theory, discrete optimization, with a focus on their applications in decision-making systems.

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
Conducted research on multi-factor models to identify key financial factors driving market performance. Proposed a novel factor classification method using integer programming.

Student Researcher, ZhongChu Logistics Feb.-May 2022

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

TALK **The Erdős Similarity Problem**
Nanjing University Undergraduate Seminar Series 2022