

Shang Liu

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EDUCATION

Ph.D. of Operations and Analytics

Business School, Imperial College London (ICL), London, UK.
Advisor: Prof. Xiaocheng Li

Sept. 2022 – Jun. 2026 (Expected)

Master of Research of Operations and Analytics (Distinction)

Business School, Imperial College London (ICL), London, UK.

Sept. 2021 – Jun. 2022

Bachelor of Mathematics

School of Mathematical Sciences, Peking University (PKU), Beijing, China.

Sept. 2016 – Jun. 2021

RESEARCH

Online Bin Packing with Known T

Shang Liu, Xiaocheng Li, *under Major Revision at Mathematics of Operations Research*, [arXiv](#)

Non-stationary Bandits with Knapsacks

Shang Liu, Jiashuo Jiang, Xiaocheng Li, *accepted at NeurIPS 2022*, [arXiv](#)

Maximum Optimality Margin: A Unified Approach for Contextual Linear Programming and Inverse Linear Programming

Chunlin Sun*, Shang Liu*, Xiaocheng Li, *accepted at ICML 2023*, [arXiv](#)

Distribution-Free Model-Agnostic Regression Calibration via Nonparametric Methods

Shang Liu*, Zhongze Cai*, Xiaocheng Li, *submitted*, [arXiv](#)

Understanding Uncertainty Sampling

Shang Liu, Xiaocheng Li, [arXiv](#)

When No-Rejection Learning is Optimal for Regression with Rejection

Xiaocheng Li, Shang Liu, Chunlin Sun, Hanzhao Wang, [arXiv](#)

**: equal contribution*

PRIZES & AWARDS

Dean's List for Academic Excellence at Imperial College Business School, 2021/2022

Outstanding Graduate of Peking University, 2021

Wusi Scholarships at Peking University, 2016/2017, 2017/2018