Su Jia **Last Update: Jun 08, 2025**

CONTACT

2 W Loop Rd,
New York, NY,
10044

Homepage: https://sjia1.github.io
LinkedIn:https://www.linkedin.com/in/su-jia
✉ E-mail: sj693@cornell.edu
Google Scholar: scholar.google.com/sujia

EMPLOYMENT

Cornell University, NY 2022 - Present

- Assistant Research Professor, Center for Data Science for Enterprise and Society (CDSES)

EDUCATION

Carnegie Mellon University, Pittsburgh, PA 2017–2022

- Ph.D. in Algorithms, Combinatorics and Optimization (ACO)
- Home Department: Tepper School of Business
- Thesis: *Learning and Earning Under Uncertainty and Noise*
- Committee: R. Ravi (Chair), Andrew Li, Alan Scheller-Wolf and Sridhar Tayur

Stony Brook University, Stony Brook, NY 2014–2017

- M.S. in Applied Mathematics and Statistics

Tsinghua University, Beijing, China PR 2010–2014

- B.S. in Mathematics

AWARDS

- Winner, George B. Dantzig Dissertation Award in Operations Research and Management Science (INFORMS), 2022
- Gerald L. Thompson Doctoral Dissertation Award in Management Science (CMU), 2022
- Winner, Pierskalla Best Paper Award in Health Applications (INFORMS), 2021
- Egon Balas Award for Best Student Paper in Operations Research (CMU), 2020
- William Larimer Mellon PhD Fellowship (CMU), 2017-2022

RESEARCH PAPERS

In reverse chronological order. "⋆" means the authors are listed alphabetically.

- **Mixing Is All You Need: Experimentation Under Non-sparse Interference**
  Su Jia, Nathan Kallus and Christina Lee Yu
  In preparation
- **Experimentation Under Non-stationary Interference**
  Su Jia, Peter Frazier, Nathan Kallus and Christina Lee Yu
  In preparation
- **Clustered Switchback Experiments: Near-Optimal Rates Under Spatiotemporal Interference**
  Su Jia, Nathan Kallus and Christina Lee Yu
  Under review
- **From Stream to Pool: Dynamic Pricing for Customers with Diminishing Marginal Utility**
  (⋆) Titing Cui, **Su Jia** and Thomas Lavastida
  Under review
- **Multi-Armed Bandit with Interference**
  Su Jia, Peter Frazier and Nathan Kallus
  ICML'25
- **Short-Lived High-Volume Bandits**
  Su Jia, Nishant Oli, Ian Anderson, Paul Duff, Andrew Li and R. Ravi
  ICML'23; Minor revision, *Operations Research*

- **Smooth Non-stationary Bandits**
  Su Jia, Qian Xie, Nathan Kallus and Peter Frazier.
  ICML'23; Major/Immediate revision, *Operations Research*

- **Markdown Pricing for Unknown Parametric Demand Models**
  Su Jia, Andrew Li and R. Ravi
  NeurIPS'22; Major Revision, *Management Science*

- **Toward a Liquid Biopsy: Greedy Approximation Algorithms for Active Sequential Hypothesis Testing**
  ($\star$) Kyra Gan, **Su Jia**, Andrew Li and Sridhar Tayur
  Winner, 2021 Pierskalla Best Paper Award in Health Applications
  NeurIPS'21; Accepted, *Management Science*

- **Effective Online Order Acceptance Policies For Omni-Channel Fulfillment.**
  ($\star$) **Su Jia**, Jeremy Karp, R. Ravi and Sridhar Tayur
  Published, *Manufacturing and Service Operations Management* (MSOM), 2022

- **Markdown Pricing Under Unknown Demand**
  ($\star$) Ningyuan Chen, **Su Jia**, Andrew Li and R. Ravi
  Egon Balas Award for Best Student Paper in Operations Research, 2020
  Major Revision Review, *Mathematics of Operations Research*
  Note: Merged with *MAB Requiring Monotone Arm Sequences* (NeurIPS'21) by Ningyuan Chen

- **Optimal Decision Tree and Submodular Ranking with Noisy Outcomes**
  Su Jia, Fatemeh Navidi, Viswanath Nagarajan and R. Ravi
  NeurIPS'19; Accepted, *Journal of Machine Learning Research*, 2024

- **Competitive Analysis for Online Scheduling in Software-Defined Optical WAN**
  Su Jia, Xin Jin, Golnaz Ghasemiesfeh, Jiaxin Ding and Jie Gao
  IEEE International Conference on Computer Communications 2017 (INFOCOM'17)

- **Network Optimization on Partitioned Pairs of Points.**
  Esther Arkin, Aritra Banik, Paz Carmi, Gui Citovsky, **Su Jia**, Matthew Katz, Tyler Mayer and Joseph S.B. Mitchell
  The 28th International Symposium on Algorithms and Computation (ISAAC'17)

- **Exact and Approximation Algorithms for Time-Window TSP**
  Su Jia, Jie Gao, Joseph S.B. Mitchell and Lu Zhao
  International Workshop on the Algorithmic Foundations of Robotics 2016 (WAFR'16)