
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
	<ul style="list-style-type: none"> • Postdoc (Assistant Research Professor), Center for Data Science for Enterprise and Society 	
EDUCATION	Carnegie Mellon University , Pittsburgh, PA	2017–2022
	<ul style="list-style-type: none"> • Ph.D. in Algorithms, Combinatorics and Optimization (ACO) • Home Department: Tepper School of Business • Thesis: <i>Learning and Earning Under Uncertainty and Noise</i> • Committee: R. Ravi (Chair), Andrew Li, Alan Scheller-Wolf and Sridhar Tayur 	
	Stony Brook University , Stony Brook, NY	2014–2017
	<ul style="list-style-type: none"> • M.S. in Applied Mathematics and Statistics 	
	Tsinghua University , Beijing, China PR	2010–2014
	<ul style="list-style-type: none"> • B.S. in Mathematics 	
AWARDS	<ul style="list-style-type: none"> • 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	<p>In reverse chronological order. “★” means the authors are listed alphabetically.</p> <ul style="list-style-type: none"> • Mixing Is All You Need: Experimentation Under Non-sparse Interference Su Jia, Nathan Kallus and Christina Lee Yu In preparation • Experimentation Under Dynamic 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 Under Review 	

- **Short-Lived High-Volume Bandits**
Su Jia, Nishant Oli, Ian Anderson, Paul Duff, Andrew Li and R. Ravi
Preliminary version appeared in the Proceedings of ICML'23
Major revision, *Operations Research*
- **Smooth Non-stationary Bandits**
Su Jia, Qian Xie, Nathan Kallus and Peter Frazier.
Preliminary version appeared in the Proceedings of ICML'23
Major/Immediate revision, *Operations Research*
- **Markdown Pricing for Unknown Parametric Demand Models**
Su Jia, Andrew Li and R. Ravi
Preliminary version appeared in the Proceedings of NeurIPS'22
Major Revision, *Management Science*
- **Toward a Liquid Biopsy: Greedy Approximation Algorithms for Active Sequential Hypothesis Testing**
(★) Kyra Gan, Su Jia, Andrew Li and Sridhar Tayur
Winner, 2021 Pierskalla Best Paper Award in Health Applications
Preliminary version appeared in the proceedings of NeurIPS'21
Accepted, *Management Science*
- **Effective Online Order Acceptance Policies For Omni-Channel Fulfillment.**
(★) Su Jia, Jeremy Karp, R. Ravi and Sridhar Tayur
Published, *Manufacturing and Service Operations Management* (MSOM), 2022
- **Markdown Pricing Under Unknown Demand**
(★) Ningyuan Chen, Su Jia, Andrew Li and R. Ravi
Egon Balas Award for Best Student Paper in Operations Research, 2020
Preliminary version appeared in the Proceedings of NeurIPS'21
Under Review, *Mathematics of Operations Research*
- **Optimal Decision Tree and Submodular Ranking with Noisy Outcomes**
Su Jia, Fatemeh Navidi, Viswanath Nagarajan and R. Ravi
Preliminary version appeared in the proceedings of 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)

TEACHING

- **MBA Mathematical Preparation (Session 3), Instructor** June - July 2020
Rating: 4.83 (respondents 6/23)
- **MBA Mathematical Preparation (Session 4), Instructor** July - Aug 2020
Rating: 4.31 (respondents 13/22)
- **MBA Mathematical Preparation (Session 3), Instructor** June - July 2021
Rating: 4.75 (respondents 23/45)
- **MBA Mathematical Preparation (Session 4), Instructor** July - Aug 2021
Rating: 4.89 (respondents 9/28)
- **As Teaching Assistant**
 - **Operations Management** (MBA Core), Oct - Dec 2021
with Prof. Sridhar Tayur
 - **Business Value Through Integrative Analytics** (MSBA), June - Aug 2020
with Prof. R. Ravi

- **Financial Optimization** (MSCF),
with Prof. Javier Peña Aug - Oct 2020
- **Optimization in Finance** (MBA elective),
with Prof. Gérard Cornuéjols Jan - Mar 2020
- **Financial Optimization** (MSCF),
with Prof. Javier Peña Aug - Oct 2019
- **Business Value Through Integrative Analytics** (MSBA),
with Prof. R. Ravi June - Aug 2019
- **Optimization** (MBA Core),
with Prof. Fatma Kılınc-Karzan Aug - Oct 2019
- **Applications of Operations Research** (MBA elective),
with Prof. Andrew A. Li Jan - Mar 2019
- **Applications of Operations Research** (MBA elective),
with Prof. Andrew A. Li Aug - Oct 2018
- **Computational Geometry**
with Prof. Joseph S. B. Mitchell Jan - May 2016
- **Network Flows**
with Prof. Esther Arkin Sep - Dec 2015
- **Combinatorics**
with Prof. Xinyun Chen Jan - May 2015
- **Combinatorics**
with Prof. Alan Tucker Sep - Dec 2014