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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 Noise and Uncertainty</i> • Committee: R. Ravi (Chair), Andrew A. 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, Dantzig Dissertation Award in Operations Research and Management Science, 2022 • Gerald L. Thompson Doctoral Dissertation Award in Management Science (CMU), 2022 • Winner, INFORMS Pierskalla Best Paper Award in Health Applications, 2021 • Egon Balas Award for Best Operations Research Student Paper (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-Markovian, Non-sparse Interference Su Jia, Nathan Kallus and Christina Lee Yu In preparation • Experimentation Under Dynamic Spatio-temporal 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, <i>Operations Research</i> • Multi-Armed Bandit with Interference Su Jia, Peter Frazier and Nathan Kallus Under Review, <i>Annals of Statistics</i> 	

- **Short-Lived High-Volume Bandits**
Su Jia, Nishant Oli, Paul Duff, Ian Anderson 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 INFORMS Pierskalla Best Paper Award
Preliminary version appeared in the proceedings of NeurIPS'21
Minor revision, *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 CMU 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 Ghasemiefteh, 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 Kılınç-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