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EMPLOYMENT	Cornell University , Ithaca, NY	2022 - Present
	<ul style="list-style-type: none"> • 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 • 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, Sridhar Tayur 	
	State University of New York , 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"> • Finalist, INFORMS George B. Dantzig Dissertation Award in 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 OR Student Paper (CMU), 2020 • William Larimer Mellon PhD Fellowship, 2017-2022 	
SELECTED WORK	<ul style="list-style-type: none"> • (Working Paper) Short-Lived High-Volume Bandits: Algorithms and Field Experiment. Su Jia, Nishant Oli, Andrew Li, R. Ravi, Paul Duff and Ian Anderson. • Markdown Pricing Under Unknown Parametric Demand Functions. Su Jia, Andrew Li and R. Ravi Accepted to NeurIPS'22 • 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 Submitted to <i>Operations Research</i> Preliminary version appeared in the proceedings of NeurIPS'21 • Effective Online Order Acceptance Policies For Omni-Channel Fulfillment. Su Jia, Jeremy Karp, R. Ravi and Sridhar Tayur Forthcoming, <i>Manufacturing and Service Operations Management</i> (MSOM) • Conservative Price Experimentation: Markdown Pricing Under Unknown Demand. Su Jia, Andrew Li and R. Ravi Egon Balas Award for Best CMU Student Paper in Operations Research, 2020 Major Revision, <i>Management Science</i> • Optimal Decision Tree and Submodular Ranking with Noisy Outcomes. Su Jia, Fatemeh Navidi, Viswanath Nagarajan and R. Ravi Submitted to <i>Operations Research</i> Preliminary version appeared in the proceedings of NeurIPS'19 	

- **Greedy Approximation Algorithms for Active Sequential Hypothesis Testing.**
Kyra Gan*, Su Jia* and Andrew Li
Thirty-fifth Conference on Neural Information Processing Systems (NeurIPS'21)
- **Optimal Decision Tree with Noisy Outcomes.**
Su Jia, Fatemeh Navidi, Viswanath Nagarajan and R. Ravi
Thirty-third Conference on Neural Information Processing Systems (NeurIPS'19)
- **Deep Manifold Learning of Symmetric Positive Definite Matrices with Application to Face Recognition.**
Zhen Dong, Su Jia, Chi Zhang, Tianfu Wu and Mingtao Pei
Thirty-First AAAI Conference on Artificial Intelligence (AAAI'17)
- **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 and Prize Collecting Problem.**
Su Jia, Jie Gao, Joseph S. B. Mitchell and Lu Zhao
International Workshop on the Algorithmic Foundations of Robotics 2016 (WAFR'16)
- **Face Video Retrieval via Deep Learning of Binary Hash Representations.**
Zhen Dong, Su Jia, Tianfu Wu and Mingtao Pei.
Thirtieth AAAI Conference on Artificial Intelligence (AAAI'16)

- **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 at CMU**
 - **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),** Aug - Oct 2020
with Prof. Javier Peña
 - **Optimization in Finance (MBA),** Jan - Mar 2020
with Prof. Gérard Cornuéjols
 - **Financial Optimization (MSCF),** Aug - Oct 2019
with Prof. Javier Peña
 - **Business Value Through Integrative Analytics (MSBA),** June - Aug 2019
with Prof. R. Ravi
 - **Optimization (MBA Core),** Aug - Oct 2019
with Prof. Fatma Kılınc-Karzan
 - **Applications of Operations Research (MBA),** Jan - Mar 2019
with Prof. Andrew A. Li
 - **Applications of Operations Research (MBA),** Aug - Oct 2018
with Prof. Andrew A. Li
- **As Teaching Assistant at Stony Brook University**

- **Computational Geometry**
with Prof. Joseph S. B. Mitchell
- **Network Flows**
with Prof. Esther Arkin
- **Combinatorics**
with Prof. Xinyun Chen
- **Combinatorics**
with Prof. Alan Tucker