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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 (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"> • George B. Dantzig Dissertation Award in Operations Research and Management Science, 2022 • Gerald L. Thompson Doctoral Dissertation Award in Management Science (CMU), 2022 • 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 	
SELECTED WORK	<ul style="list-style-type: none"> • Short-Lived High-Volume Multi-(A)rmed /(B)andit Testing Su Jia, Nishant Oli, Paul Duff, Ian Anderson Andrew Li and R. Ravi Preliminary version appeared in the proceedings of ICML'23 • Smooth Non-stationary Bandits Su Jia, Qian Xie, Nathan Kallus and Peter Frazier. Preliminary version appeared in the proceedings of ICML'23 • Dyanmic Pricing with Monotonicity Constraint Under Unknown Parametric Demand Model. Su Jia, Andrew Li and R. Ravi Preliminary version appeared in the proceedings of 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 Major revision, <i>Management Science</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 <i>Manufacturing and Service Operations Management</i> (MSOM), 2022 	

- **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, *Management Science*
- **Optimal Decision Tree and Submodular Ranking with Noisy Outcomes.**
Su Jia, Fatemeh Navidi, Viswanath Nagarajan and R. Ravi
Under review, *Journal of Machine Learning Research*
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 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 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)

REFEREED
CONFERENCE
PROCEEDINGS

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 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