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EMPLOYMENT	<b>Cornell University</b> , Ithaca, NY	2022 - Present
	<ul style="list-style-type: none"> <li>Assistant Research Professor, Center for Data Science for Enterprise and Society</li> </ul>	
EDUCATION	<b>Carnegie Mellon University</b> , Pittsburgh, PA	2017–2022
	<ul style="list-style-type: none"> <li>Ph.D. in Algorithms, Combinatorics and Optimization (ACO)</li> <li>Home Department: Tepper School of Business</li> <li>Thesis: <i>Learning and Earning Under Noise and Uncertainty</i></li> <li>Committee: R. Ravi (Chair), Andrew A. Li, Alan Scheller-Wolf and Sridhar Tayur</li> </ul>	
	<b>Stony Brook University</b> , Stony Brook, NY	2014–2017
	<ul style="list-style-type: none"> <li>M.S. in Applied Mathematics and Statistics</li> </ul>	
	<b>Tsinghua University</b> , Beijing, China PR	2010–2014
	<ul style="list-style-type: none"> <li>B.S. in Mathematics</li> </ul>	
AWARDS	<ul style="list-style-type: none"> <li>George B. Dantzig Dissertation Award in Operations Research and Management Science, 2022</li> <li>Gerald L. Thompson Doctoral Dissertation Award in Management Science (CMU), 2022</li> <li>INFORMS Pierskalla Best Paper Award in Health Applications, 2021</li> <li>Egon Balas Award for Best OR Student Paper (CMU), 2020</li> <li>William Larimer Mellon PhD Fellowship (CMU), 2017-2022</li> </ul>	
SELECTED WORK	<ul style="list-style-type: none"> <li><b>(Working Paper) Short-Lived High-Volume Bandits: Algorithms and Field Experiment.</b> Su Jia, Nishant Oli, Andrew Li, R. Ravi, Paul Duff and Ian Anderson.</li> <li><b>Dyanmic Pricing with Monotonicity Constraint Under Unknown Parametric Demand Model.</b> Su Jia, Andrew Li and R. Ravi Accepted to NeurIPS'22</li> <li><b>Toward a Liquid Biopsy: Greedy Approximation Algorithms for Active Sequential Hypothesis Testing.</b> Kyra Gan*, Su Jia*, Andrew Li and Sridhar Tayur Winner, 2021 INFORMS Pierskalla Best Paper Award Submitted to <i>Management Science</i> Preliminary version appeared in the proceedings of NeurIPS'21</li> <li><b>Effective Online Order Acceptance Policies For Omni-Channel Fulfillment.</b> Su Jia, Jeremy Karp, R. Ravi and Sridhar Tayur <i>Manufacturing and Service Operations Management</i> (MSOM), 2022</li> <li><b>Conservative Price Experimentation: Markdown Pricing Under Unknown Demand.</b> Su Jia, Andrew Li and R. Ravi <a href="#">Egon Balas Award</a> for Best CMU Student Paper in Operations Research, 2020 Major Revision, <i>Management Science</i></li> <li><b>Optimal Decision Tree and Submodular Ranking with Noisy Outcomes.</b> Su Jia, Fatemeh Navidi, Viswanath Nagarajan and R. Ravi Submitted to <i>Journal of Machine Learning Research</i> Preliminary version appeared in the proceedings of NeurIPS'19</li> </ul>	

- **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 Kılınç-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