Evelyn Gong

aka. Xiao-Yue Gong

Academic Appointment

2023-present **Assistant Professor**, *Carnegie Mellon University*.
in Operations Management at the Tepper School of Business.

Education

2017-2023 **Ph.D. in Operations Research**, *Massachusetts Institute of Technology*.
Advised by David Simchi-Levi and Jim Orlin.
Areas: data-driven decision making, reinforcement learning, supply chain sustainability.

2013-2017 **B.S. in Honors Mathematics**, *New York University*.
Second major: B.S. in Interactive Media Arts.
Summa Cum Laude.

Journal Publications

o **"Bandits atop Reinforcement Learning: Tackling Online Inventory Models With Cyclic Demands."**
Evelyn Xiao-Yue Gong, David Simchi-Levi.
— *Management Science*, 2023. [Link]

o **"Online Assortment Optimization with Reusable Resources."**
Evelyn Xiao-Yue Gong, Vineet Goyal, Garud Iyengar, David Simchi-Levi, Rajan Udwani, Shuangyu Wang.
— *Management Science*, 2022. [Link]
— *RM&P Conference Spotlight Talk*, 2021.

o **"A Fast Maximum Flow Algorithm."**
Jim Orlin, Evelyn Xiao-Yue Gong.
— *Networks*, 2020. [Link]
— *Special Issue on Celebrating 50 Years of Networks*, 2021.
— *Best Presentation* award at MIT LIDS Student Conference, 2019.

Conference and Select Working Papers

o **"Efficient Cloud Server Deployment Under Demand Uncertainty."**
Rui Peng Liu, Konstantina Mellou, Evelyn Xiao-Yue Gong, Thomas Coffee, Beibin Li, Jeevan Pathuri, David Simchi-Levi and Ishai Menache.
—*Manufacturing & Service Operations Management (Minor Revision)*, 2024. [Link]

- **"Optimal Quantile Pure Exploration for Infinite-Armed Bandits."**
  Evelyn Xiao-Yue Gong, Mark Sellke.
  — *NeurIPS*, 2023. [Link]

- **"How Not to Overpackage? − AI for Sustainability in HelloFresh's Service Supply Chain."**
  Evelyn Xiao-Yue Gong, Michael Johnson.
  — *In preparation*, 2024.

- **"Optimal Adaptive Experimental Design with Infinite Choices."**
  Evelyn Xiao-Yue Gong, Mark Sellke, Rui Sun.
  — *In preparation*, 2024.

- **"Provably More Efficient Q-Learning in the One-Sided-Feedback/Full-Feedback Settings."**
  Evelyn Xiao-Yue Gong, David Simchi-Levi.
  — *ICML Workshop (Theoretical Foundations of Reinforcement Learning)*, 2020. [Link]

- **"Efficient Entropy For Policy Gradient with Multi-Dimensional Action Space."**
  Yiming Zhang, Quan Ho Vuong, Kenny Song, Evelyn Xiao-Yue Gong, Keith W. Ross.
  — *ICLR Workshop*, 2018. [Link]

Services

2024-present	**Operations Research**, *Journal Reviewer*.
2023-present	**Management Science**, *Journal Reviewer*.
2022-present	**Manufacturing & Service Operations Management**, *Journal Reviewer*.
2022-present	**Mathematics of Operations Research**, *Journal Reviewer*.
Jul-Oct 2024	**INFORMS Service Science Best Student Paper Award**, *Committee Member*.
June 2024	**2024 CSAMSE Best Paper Competition**, *Judge*.
October 2024	**INFORMS Annual Meeting**, *Session Chair*.
October 2023	**INFORMS Annual Meeting**, *Session Chair*.
October 2023	**INFORMS Annual Meeting**, *Session Chair*.

Honors

China's National Champion in Splendor hosted by Hunter Board Game Club	2024
1st Place at the Best Dissertation Competition at Conference on Supply Chain Management in the Post-Pandemic and AI Age	2023
Accenture Fellowship	2022
Bayer Women in Operations Research Scholarship by the Analytics Society of INFORMS	2021
Best Presentation Award at MIT LIDS Student Conference	2019
MIT Lockheed Martin Tech for Truth hackathon (Supply Chain Track) Grand Prize	2019
MIT IDEAS Global Challenge Winner	2018

- MIT Bitcoin Hackathon ARCC Prize   2018
- NYU Summa Cum Laude   2017
- Rhodes Scholarships China Finalist   2017
- NYU Shanghai Provost's Award   2017
- Resolution Fellowship at Youth Assembly at the United Nations Headquarters   2016
- NYU President's Service Award   2016
- NYU Courant Summer Undergraduate Research Experience   2016
- NYU Reynolds Changemaker Challenge Best Venture   2015