

Evelyn Gong

aka. Xiao-Yue Gong

Academic Appointment

2023-present **Assistant Professor**, *Carnegie Mellon University*.
Operations Management Area, 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

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

- **“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](#)]

Evelyn Gong

✉ exiaoyue@andrew.cmu.edu • 🌐 <https://evelynongcmu.github.io/>

1/3

- **“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

- current **Management Science, Operations Research, Manufacturing & Service Operations Management, 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 2021 **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

Evelyn Gong

✉ exiaoyue@andrew.cmu.edu • 🌐 <https://evelyngongcmu.github.io/>

2/3

- 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 Reynolds Changemaker Challenge Best Venture 2015

Evelyn Gong

✉ exiaoyue@andrew.cmu.edu • 🌐 <https://evelyngongcmu.github.io/>

3/3