

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

2013-2017 **B.S. in Honors Mathematics** and **B.S. in Interactive Media Arts**.
New York University, 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 Udhwani, 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](#)]
- **“How Not to Overpackage? – AI for Sustainability in HelloFresh’s Service Supply Chain.”**

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

Media Coverage

- I appeared in this **Business Insider** article on Shein’s plan to sell its supply chain tech on June 6, 2024.
[Shein wants to sell the supply-chain tech it used to disrupt online shopping. Retail experts say brands may have concerns.](#)
- I appeared in this **Wall Street Journal** article on Material Suppliers’ Next Moves on April 10, 2024.
[Materials Supplier Ferguson Seeks Faster Path to Construction Market.](#)
- I appeared in this **Forbes** article on Sustainable Tourism on October 13, 2023.
[A Code Of Conduct For Tourists? In Kyoto, Japan, It's Working.](#)

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

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- 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 Reynolds Changemaker Challenge Best Venture 2015

Industry Experience

- Summer 2022 **HelloFresh Group**, *Research Intern*, New York, NY.
Global AI.
- Summer 2021 **Google Research**, *Research Intern*, Cambridge, MA (remote).
Operations Research.
- Summer 2020 **Microsoft Research AI**, *Research Intern*, Redmond, WA (remote).
Cloud Operations Research.
- Summer 2019 **D.E. Shaw & Co.**, *Quantitative Analyst Intern*, New York, NY.
Quant Commodities.
- Summer 2014 **Citibank (China) Co., Ltd.**, *Legal Intern*, Shanghai, China.
Legal.

Recent Invited Talks

- **Purdue Operations Conference**, August 25, 2024
How Not to Overpackage? – AI for Sustainability in HelloFresh's Service Supply Chain.
- **Tsinghua University Economics and Management Seminar**, August 2, 2024
How Not to Overpackage? – AI for Sustainability in HelloFresh's Service Supply Chain.
- **Lyft Rideshare Seminar**, June 6, 2024
How Not to Overpackage? – AI for Sustainability in HelloFresh's Service Supply Chain.
- **Duke University Fuqua Operations Management Seminar**, Apr 12, 2024
How Not to Overpackage? – Towards a Sustainable HelloFresh Service Supply Chain.
- **CMU SQUALL Seminar**, Apr 8, 2024
How Not to Overpackage? – Towards a Sustainable HelloFresh Service Supply Chain.

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- **YinzOR 2023 Conference**, Aug 26, 2023
Provably Optimal Reinforcement Learning for Inventory Problems with Unknown Cyclic Demands
- **Supply Chain Management in the Post-Pandemic and AI Age Conference**, Jun 13, 2023
Data-Driven Decision Making in Operations Management
- **University of Toronto Rotman OM&S Data Science Seminar** Apr 29, 2023 Bandits Atop Reinforcement Learning: Tackling Online Inventory Models With Cyclic Demands
- **Wharton OID Seminar**, Mar 18, 2022
Bandits Atop Reinforcement Learning: Tackling Online Inventory Models With Cyclic Demands
- **MIT Data Science Lab Seminar**, Oct 18, 2021
Bandits Atop Reinforcement Learning: Tackling Online Inventory Models With Cyclic Demands
- **MIT ORC Student Seminar**, Sep 24, 2021
Provably Optimal Reinforcement Learning for Online Inventory Models With Cyclic Demands
- **Google Intern Research Talks**, Jul 22, 2021
Provably Optimal Reinforcement Learning for Online Inventory Models With Cyclic Demands
- **Spotlight Session at Annual INFORMS Revenue Management and Pricing Section Conference**, Jun 30, 2021
Online Assortment Optimization with Reusable Resources
- **MIT LIDS & Stats Tea Talk**, Apr 28, 2021
Provably More Efficient Q-Learning in the One-Sided-Feedback/Full-Feedback Settings

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