

# Evelyn Xiao-Yue Gong

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## Positions Held

- 2023-present **Assistant Professor**, *Carnegie Mellon University*.  
in Operations Management at the Tepper School of Business.
- Summer 2022 **Research Intern**, *HelloFresh*.  
Global AI Department. New York, NY.
- Summer 2021 **Research Intern**, *Google Research*.  
Operations Research Group. Cambridge, MA.
- Summer 2020 **Research Intern**, *Microsoft Research AI*.  
Cloud Operations Research Group. Redmond, WA.
- Summer 2019 **Quantitative Analyst Intern**, *D.E. Shaw & Co.*.  
Quant Commodities Group. New York, NY

## Education

- 2017-2023 **Ph.D. in Operations Research**, *Massachusetts Institute of Technology*.
- 2013-2017 **B.S. in Honors Mathematics**, *New York University*.  
Graduated with Summa Cum Laude.

## Journal Publications

- **“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 (Articles In Advance)*, 2025. [[Link](#)]
- **“Bandits atop Reinforcement Learning: Tackling Online Inventory Models With Cyclic Demands.”**  
**Evelyn Xiao-Yue Gong**, David Simchi-Levi.  
— *Management Science*, 70(9). pp. 5627-6482, 2024. [[Link](#)]
- **“Online Assortment Optimization with Reusable Resources.”**  
**Evelyn Xiao-Yue Gong**, Vineet Goyal, Garud Iyengar, David Simchi-Levi, Rajan Udawani, Shuangyu Wang.  
— *Management Science*, 68(7). pp. 4772-4785, 2022. [[Link](#)]  
— *Spotlight Talk at the INFORMS Revenue Management and Pricing Section Conference*, 2021.
- **“A Fast Maximum Flow Algorithm.”**  
Jim Orlin, **Evelyn Xiao-Yue Gong**.  
— *Networks*, 77(2). pp. 287-321, 2020. [[Link](#)]  
— *Special Issue on Celebrating 50 Years of Networks*, 2021.  
— *Best Presentation Award at MIT LIDS Student Conference*, 2019.

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1/4

## Conference Papers

- **“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. [\[Link\]](#)

## Select Submitted Papers

- **“How Not to Overpackage: AI for Sustainability in HelloFresh’s Service Supply Chain.”**  
Evelyn Xiao-Yue Gong, Michael Johnson.  
— Under Review at *Management Science*, 2025. [\[Link\]](#)

## Select 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.](#)

## Select Invited Talks

- Mar 6, 2025 **Boston University’s Questrom School of Business.**  
How Not to Overpackage: AI for Sustainability in HelloFresh’s Service Supply Chain.
- Aug 25, 2024 **Purdue Operations Conference.**  
How Not to Overpackage: AI for Sustainability in HelloFresh’s Service Supply Chain.
- Aug 2, 2024 **Tsinghua University School of Economics and Management.**  
How Not to Overpackage: AI for Sustainability in HelloFresh’s Service Supply Chain.
- Jun 6, 2024 **Lyft Rideshare Seminar.**  
How Not to Overpackage: AI for Sustainability in HelloFresh’s Service Supply Chain.
- Apr 12, 2024 **Duke University Fuqua Operations Management Seminar.**  
How Not to Overpackage? – Towards a Sustainable HelloFresh Service Supply Chain.

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2/4

- Apr 8, 2024 **CMU SQUALL Seminar.**  
How Not to Overpackage? – Towards a Sustainable HelloFresh Service Supply Chain.
- Aug 26, 2023 **YinzOR 2023 Conference.**  
Provably Optimal Reinforcement Learning for Inventory Problems with Unknown Cyclic Demands
- Jun 13, 2023 **Supply Chain Management in the Post-Pandemic and AI Age Conference.**  
Data-Driven Decision Making in Operations Management
- Apr 29, 2023 **University of Toronto Rotman OM&S Data Science Seminar.**  
Bandits Atop Reinforcement Learning: Tackling Online Inventory Models With Cyclic Demands
- Mar 18, 2022 **Wharton OID Seminar.**  
Bandits Atop Reinforcement Learning: Tackling Online Inventory Models With Cyclic Demands
- Oct 18, 2021 **MIT Data Science Lab Seminar.**  
Bandits Atop Reinforcement Learning: Tackling Online Inventory Models With Cyclic Demands
- Sep 24, 2021 **MIT ORC Student Seminar.**  
Provably Optimal Reinforcement Learning for Online Inventory Models With Cyclic Demands
- Jul 22, 2021 **Google Intern Research Talks.**  
Provably Optimal Reinforcement Learning for Online Inventory Models With Cyclic Demands
- Jun 30, 2021 **Spotlight Session at Annual INFORMS Revenue Management and Pricing Section Conference.**  
Online Assortment Optimization with Reusable Resources
- Apr 28, 2021 **MIT LIDS & Stats Tea Talk.**  
Provably More Efficient Q-Learning in the One-Sided-Feedback/Full-Feedback Settings

## Services

- Journals **Management Science, Operations Research, Manufacturing & Service Operations Management, Mathematics of Operations Research, *Reviewer.***
- 2025 **26th Conference on Integer Programming and Combinatorial Optimization (IPCO), *Reviewer.***
- 2024 **INFORMS Service Science Best Student Paper Award, *Committee Member.***
- 2024 **CSAMSE Best Paper Competition, *Judge.***
- 2024 **INFORMS MSOM 2024 Sustainable Operations SIG Conference, *Reviewer.***
- 2023 **INFORMS Annual Meeting, *Session Chair.***
- 2021 **INFORMS Annual Meeting, *Session Co-Chair.***

## Honors

- China's National Champion in Splendor hosted by Hunter Board Game Club 2024
- First Place in the Best Dissertation Competition, Supply Chain Management in the Post-Pandemic

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3/4

and AI Age Conference	2023
o Accenture Fellowship	2022
o Bayer Women in Operations Research Scholarship Recipient, INFORMS Analytics Society	2021
o Best Presentation Award, MIT LIDS Student Conference	2019
o Grand Prize, MIT Lockheed Martin Tech for Truth Hackathon (Supply Chain Track),	2019
o Winner, MIT IDEAS Global Challenge	2018
o ARCC Best Social Good Hack Prize, MIT Bitcoin Hackathon	2018
o Summa Cum Laude	2017
o NYU Shanghai Provost's Award, NYU Shanghai	2017
o NYU President's Service Award, New York University	2016
o Resolution Fellowship, Resolution Project at Youth Assembly at the United Nations	2016
o Best Venture, NYU Reynolds Changemaker Challenge	2015

## Teaching

Spring 2025	<b>CMU 70371 Operations Management</b> , <i>Undergraduate Core</i> . Instructor.
Spring 2024	<b>CMU 70371 Operations Management</b> , <i>Undergraduate Core</i> . Instructor.
Spring 2022	<b>MIT 1.267 Statistical Learning in Operations</b> , <i>PhD course</i> . Teaching Assistant.
Spring 2021	<b>MIT 1.275/IDS.305 Business &amp; Operations Analytics</b> , <i>MBA course</i> . Teaching Assistant.
Spring 2021	<b>MIT 1.267 Statistical Learning in Operations</b> , <i>PhD course</i> . Guest Lecturer.
Spring 2020	<b>MIT 15.077 Statistical Learning and Data Mining</b> , <i>PhD course</i> . Teaching Assistant.
Jan 2019	<b>MIT 15.S60 Computing in Optimization &amp; Statistics</b> , <i>Graduate course</i> . Co-Instructor.
Jan 2019	<b>MIT 15.S41 Software Tools for Business Analytics</b> , <i>Undergrad course</i> . Co-Instructor.
Fall 2016	<b>NYU MATH-UA 140 Linear Algebra</b> , <i>Undergrad course</i> . Grader. NYU Courant Institute of Mathematical Sciences.
Spring 2016	<b>NYU MATH-UA 121 Calculus I</b> , <i>Undergrad course</i> . Recitation Tutor. NYU Courant Institute of Mathematical Sciences.
Fall 2015	<b>NYU CSCI-UA 0061 Web Development &amp; Programming</b> , <i>Undergrad course</i> . Teaching Assistant. NYU Tandon School of Engineering.

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