

Evelyn Xiao-Yue Gong

Positions Held

- 2025-present **B P Junior Faculty Chair**, *Carnegie Mellon University*.
Tepper School of Business.
- 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*.
- 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*, 27(2). pp. 425-440, 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 Udwani, 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.

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 Set-**

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tings.”

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 Media Coverage

- I appeared in this Association of National Advertisers article on the environmental impact of AI use in brands and marketing on June 20, 2025.
[How Brands Stem AI's Quest for More and More Power.](#)
- 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.
- 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.
- 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

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- 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 **INFORMS MSOM 2025 SIG Day Conference, 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.**

Industry Experience

- 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

Honors

- China's National Champion in Splendor hosted by Hunter Board Game Club 2024

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

Teaching

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

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