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 (Shanghai & New York)*.
Graduated with Summa Cum Laude.

Journal Publications

- **"How Not to Overpackage: AI for Sustainability in HelloFresh's Service Supply Chain."**
  Evelyn Xiao-Yue Gong, Michael Johnson.
  — *Major Revision at Manufacturing & Service Operations Management, 2025.*
  — *Runner-Up for INFORMS Service Science Best Paper Competition (Socially Responsible Track), 2025.* [Link]

- **"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]
  — *Honorable Mention for the INFORMS Computing Society Harvey J. Greenberg Award, 2025.*

- **"Optimal Quantile Pure Exploration for Infinite-Armed Bandits."**
  Evelyn Xiao-Yue Gong, Mark Sellke.
  — *Neural Information Processing Systems (NeurIPS)*, 2023. [Proceedings]

- **"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.

Workshop Papers

o **"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]

o **"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]

Grants for Accepted Proposals

o Tepper School of Business Center for Intelligent Business AI Fellowship Award.

Select Media Coverage

o I appeared in this Bloomberg article on retail logistics under the Champs-Elysees on Oct 30, 2025.
The Retail Storage Hiding Under the Champs-Elysees.

o I appeared in this Forbes article on the Seine and Sustainable Paris on Sep 7, 2025.
Sustainable Paris: Swimming In The Seine Is Just The Start.

o I appeared in this Forbes article on Tokyo's Sustainability on Jul 27, 2025.
Green Apartments, Carbon-Neutral Hotels: How Tokyo Is Becoming Sustainable.

o 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.

o I appeared in this Business Insider article on Shein's plan to sell its supply chain tech on Jun 6, 2024.
Shein wants to sell the supply-chain tech it used to disrupt online shopping. Retail experts say brands may have concerns.

o I appeared in this Wall Street Journal article on Material Suppliers' Next Moves on Apr 10, 2024.
Materials Supplier Ferguson Seeks Faster Path to Construction Market.

o I appeared in this Forbes article on Sustainable Tourism on Oct 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
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 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**, *Referee*.
2025	**NeurIPS Conference**, *Reviewer*.
2025	**INFORMS Public Sector Operations Research Best Paper Award**, *Committee Member*.
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*.

2024	**INFORMS Annual Meeting**, *Session Chair*.
2023	**INFORMS Annual Meeting**, *Session Chair*.
2021	**INFORMS Annual Meeting**, *Session 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

- CIB AI Fellowship Award, Tepper School of Business   2025-2026
- Honorable Mention for the *INFORMS Computing Society Harvey J. Greenberg Award*   2025
- 2nd Place for the *INFORMS Service Science Best Paper Award (Socially Responsible Track)* 2025
- China's National Champion in Splendor hosted by Hunter Board Game Club.   2024
- First Place, Best Dissertation Competition at the 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
- NYU Shanghai Provost's Award, NYU Shanghai   2017
- NYU President's Service Award, New York University   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.
Fall 2023	**CMU 47760-A1 Foundations of Operations Management**, *PhD Elective*. Guest Lecturer.
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 2015	**NYU CSCI-UA 0061 Web Development & Programming**, *Undergrad course*. Teaching Assistant. NYU Tandon School of Engineering.