Evelyn Gong

aka. Xiao-Yue Gong

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

Education

2017-2023	**Ph.D. in Operations Research**, *Massachusetts Institute of Technology*.
2013-2017	**B.S. in Honors Mathematics**, *New York University*. Double major in Interactive Media Arts. 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 (Accepted)*, 2024.[Link]

- **"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]
  — *Spotlight Talk at the INFORMS Revenue Management and Pricing Section Conference*, 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.

Select 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 Working Papers

- "How Not to Overpackage? – Towards a Sustainable HelloFresh Service Supply Chain."
  Evelyn Xiao-Yue Gong, Michael Johnson.

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

| Aug 25, 2024 | **Purdue Operations Conference**. |
| How Not to Overpackage? – Towards a Sustainable HelloFresh Service Supply Chain. |
| Aug 2, 2024 | **Tsinghua University School of Economics and Management**. |
| How Not to Overpackage? – Towards a Sustainable HelloFresh Service Supply Chain. |
| Jun 6, 2024 | **Lyft Rideshare Seminar**. |
| How Not to Overpackage? – Towards a Sustainable HelloFresh Service Supply Chain. |

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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 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

o 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 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.