Nikhil Garg

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ACADEMIC EMPLOYMENT

Assistant Professor, Operations Research and Information Engineering Fall 2021-Present
Cornell Tech
Jacobs Institute
Field member in ORIE, Computer Science, and Information Science, Cornell University

Postdoctoral Associate 2020-2021
University of California, Berkeley
Department of Electrical Engineering and Computer Sciences
Hosts: Christian Borgs, Jennifer Chayes, & Mike Jordan

EDUCATION

Stanford University
MS/PhD, Electrical Engineering 2020
Thesis: *Designing Marketplaces and Civic Engagement Platforms: Learning, Incentives, and Pricing*
National Science Foundation Graduate Research Fellowship
Crowdsourced Democracy Team and Society & Algorithms Lab
Advisors: Ashish Goel & Ramesh Johari

University of Texas at Austin
BS, Computer Engineering, Highest and Special Honors 2015
BA, Plan II Honors (*Liberal Arts*) 2015

SELECTED AWARDS

- NSF CAREER, 2024
- Forbes 30 under 30 for Science, 2022
- INFORMS George Dantzig Dissertation Award, 2020
- ACM SIGecom Dissertation Award (Honorable Mention), 2021
- **Paper awards:** CSCW Best Paper, 2025; CSCW Impact Recognition, 2025; CSCW Diversity and Inclusion Recognition, 2025; CHIL Best Paper, 2025; INFORMS Junior Faculty Interest Group (Finalist), 2023; ML4H Best Findings (Honorable Mention), 2023; INFORMS DEI Student, 2022; ACM EAAMO Student, 2021; M&SOM Student (2nd place), 2020
- PhD advisee Zhi Liu: INFORMS George Dantzig Dissertation Award Finalist (1 of 4 finalists), 2025
- **Other grants:** Sloan Foundation, NASA, Google, Amazon, Meta, and Cornell Tech Urban Tech
- **Other awards:** Cornell Einhorn Center Community-Engaged Practice and Innovation Award, 2026; National Science Foundation Graduate Research Fellowship, 2015-2020; Stanford McCoy Center for Ethics in Society Graduate Fellow, 2017-2018

PUBLICATIONS

Working Papers

11. "From Feeds to Trails." Kenny Peng, Sophie Greenwood, Erica Chiang, Jon Kleinberg, and **NG**.

10. "Personalized Recommendations without Inducing Congestion: Mitigating Disparities in the NYC High School Match." Erica Chiang, Kenny Peng, Rebecca Lichtenstein, Kristen O'Neil, Lianna Wright, Jon Kleinberg, Eva Tardos, and **NG**.

9. "How Many Features Can a Language Model Store Under the Linear Representation Hypothesis?" **NG**, Jon Kleinberg, and Kenny Peng.

8. "Paper Skygest: Personalized Academic Recommendations on Bluesky." Sophie Greenwood and **NG**.

7. "Use Sparse Autoencoders to Discover Unknown Concepts, Not to Act on Known Concepts." Kenny Peng, Rajiv Movva, Jon Kleinberg, Emma Pierson, and **NG**.

6. "Undermatching in New York City School Choice: Application Behavior and Feedback." Kenny Peng*, Emily Ryu*, Jon Kleinberg, Eva Tardos, **NG**. *Under Revision at Nature Cities.*

5. "Optimizing Library Usage and Browser Experience: Application to the New York Public Library." Zhi Liu, Wenchang Zhu, Sarah Rankin, and **NG**.

4. "Optimal Strategies in Ranked-Choice Voting." Sanyukta Deshpande, **NG**, and Sheldon Jacobson. *Reject and Resubmit at Journal of AI Research.*

3. "Combatting Gerrymandering with Social Choice: the Design of Multi-member Districts." **NG**, Wes Gurnee, David Rothschild, and David Shmoys. *Major Revision at Operations Research.*

2. "Redesigning Service Level Agreements: Equity and Efficiency in City Government Operations." Zhi Liu and **NG**. *Major Revision at Manufacturing & Service Operations Management (M&SOM).*

1. "Bayesian Modeling of Zero-Shot Classifications for Urban Flood Detection." Matt Franchi, **NG**, Wendy Ju, Emma Pierson. *In Revision at Nature Communications.*

Journal Articles

12. "Simpler Than You Think: The Practical Dynamics of Ranked Choice Voting." (2026) Sanyukta Deshpande, **NG**, and Sheldon Jacobson. *Journal of Computational Social Science, Accepted.*

11. "Dropping Standardized Testing for Admissions Trades Off Information and Access." (2026) **NG**, Hannah Li, and Faidra Monachou. *Management Science, Accepted.*

10. "Inferring fine-grained migration patterns across the United States." (2025) Gabriel Agostini, Rachel Young, Maria Fitzpatrick, **NG**, Emma Pierson. *Nature Communications.*

    Media: *Cornell Chronicle*

9. ""Shopping Around": An Experiment in Preferences and Incentives for Placing Long-term Patients." Vince Bartle, Nicki Dell, and **NG**. *Proceedings of the ACM on Human-Computer Interaction.* Presented at *ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW'25).*

    CSCW Impact Recognition, 2025

8. "Faster Information for Effective Long-Term Discharge: A Field Study in Adult Foster Care." Vince Bartle, Ashley Shearer, Alexandra Wroe, Nicola Dell and **NG**. *Proceedings of the ACM on Human-Computer Interaction.* Presented at *ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW'25).*

    CSCW Best Paper Award, 2025; CSCW Diversity and Inclusion Recognition, 2025

    Media: *Cornell Chronicle*

7. "Addressing Discretization-Induced Bias in Demographic Prediction." (2025) Evan Dong, Aaron Schein, Yixin Wang, and **NG**. *PNAS Nexus.*

6. "Quantifying Spatial Under-reporting Disparities in Resident Crowdsourcing" (2023) Zhi Liu, Uma Bhandaram, and **NG**. *Nature Computational Science.*

    INFORMS Junior Faculty Interest Group Paper Award (Finalist), 2023

5. "Driver Surge Pricing" (2021). **NG** and Hamid Nazerzadeh. *Management Science (MS).*

4. "Markets for Public Decision-making" (2020). **NG**, Ashish Goel, and Ben Plaut. *Social Choice and Welfare.*

3. "Designing Informative Rating Systems: Evidence from an Online Labor Market" (2020). **NG** and Ramesh Johari. *Manufacturing & Service Operations Management (M&SOM).*

    M&SOM Student Paper Award (2nd place), 2020

    Media: *New York Times*, *Stanford Engineering Magazine*

2. "Iterative Local Voting for Collective Decision-making in Continuous Spaces" (2019). **NG**, Vijay Kamble, Ashish Goel, David Marn, and Kamesh Munagala. *Journal of Artificial Intelligence Research (JAIR).*

1. "Word Embeddings Quantify 100 Years of Gender and Ethnic Stereotypes" (2018). **NG**, Londa Schiebinger, Dan Jurafsky, and James Zou. *Proceedings of the National Academy of Sciences* (*PNAS*).

   Media: *Science Magazine*, *Smithsonian Magazine*, *Stanford News*

Invited articles

1. "Heterogeneous participation and allocation skews: when is choice "worth it"?." **NG**. *ACM SIGecom Exchanges* (Invited Research Letter; lightly reviewed by editors).

Peer Reviewed Conference Proceedings

40. "Capacity Constraints Make Admissions Processes Less Predictable." Evan Dong, **NG**, and Sarah Dean. *AAAI Conference on Artificial Intelligence* (*AAAI'26*)

39. "Urban Incident Prediction with Graph Neural Networks: Integrating Government Ratings and Crowd-sourced Reports." Sidhika Balachandar, Shuvom Sadhuka, Bonnie Berger, Emma Pierson, and **NG**. *AAAI Conference on Artificial Intelligence* (*AAAI'26*)

38. "Correlated Errors in Large Language Models." Elliot Myunghoon Kim*, Avi Garg*, Kenny Peng*, **NG**. *International Conference on Machine Learning* (*ICML'25*)

37. "Sparse Autoencoders for Hypothesis Generation." Rajiv Movva, Kenny Peng, **NG**, Jon Kleinberg, Emma Pierson. *International Conference on Machine Learning* (*ICML'25*)

36. "Learning Disease Progression Models That Capture Health Disparities." Erica Chiang, Divya Shanmugan, Ashley N. Beecy, Gabriel Sayer, Deborah Estrin, **NG**, and Emma Pierson. *Conference on Health, Inference, and Learning* (*CHIL'25*). Also appeared in *ICML 2024 Workshop on Structured Probabilistic Inference & Generative Modeling* and *2024 Machine Learning for Health Symposium*.

    CHIL Best Paper Award

35. "A No Free Lunch Theorem for Human-AI Collaboration." Kenny Peng, **NG**, and Jon Kleinberg. *AAAI Conference on Artificial Intelligence* (*AAAI'25*). **Oral Presentation.**

34. "Balancing Producer Fairness and Efficiency via Bayesian Rating System Design." Thomas Ma, Michael Bernstein, Ramesh Johari, and **NG**. *International AAAI Conference on Web and Social Media* (*ICWSM'25*)

33. "Monoculture in Matching Markets." Kenny Peng and **NG**. *Thirty-eight Conference on Neural Information Processing Systems* (*NeurIPS '24*)

32. "User-item fairness tradeoffs in recommendations." Sophie Greenwood, Sudalakshmee Chiniah, and **NG**. *Thirty-eight Conference on Neural Information Processing Systems* (*NeurIPS '24*)

31. "Ending Affirmative Action Harms Diversity Without Improving Academic Merit." Jinsook Lee, Emma Harvey, Joyce Zhou, **NG**, Thorsten Joachims, and René Kizilcec. *AAAI/ACM Conference on Equity and Access in Algorithms, Mechanisms, and Optimization* (*EAAMO'24*)

30. "Wisdom and Foolishness of Noisy Matching Markets." Kenny Peng and **NG**. *ACM Conference on Economics and Computation* (*EC'24*)

29. "Redesigning Service Level Agreements: Equity and Efficiency in City Government Operations." Zhi Liu and **NG**. *ACM Conference on Economics and Computation* (*EC'24*)

28. "Equitable Congestion Pricing under the Markovian Traffic Model: An Application to Bogota." Alfredo Torrico, Natthawut Boonsiriphatthanajaroen, **NG**, Andrea Lodi, and Hugo Mainguy. *ACM Conference on Economics and Computation* (*EC'24*)

27. "Addressing Discretization-Induced Bias in Demographic Prediction" Evan Dong, Aaron Schein, Yixin Wang, and **NG**. *ACM Conference on Fairness, Accountability, and Transparency* (*FAccT '24*)

26. "Reconciling the accuracy-diversity trade-off in recommendations" Kenny Peng, Manish Raghavan, Emma Pierson, Jon Kleinberg, and **NG**. *ACM Web Conference* (*WWW'24*) **Oral presentation.**

25. "Domain constraints improve risk prediction when outcome data is missing." Sidhika Balachandar, **NG**, and Emma Pierson. *Twelfth International Conference on Learning Representations* (*ICLR'24*)

24. "A Bayesian Spatial Model to Correct Under-Reporting in Urban Crowdsourcing." Gabriel Agostini, Emma Pierson, and **NG**. *AAAI Conference on Artificial Intelligence* (*AAAI'24*) **Oral presentation.**

23. "Identifying and Addressing Disparities in Public Libraries with Bayesian Latent Variable Modeling: Evidence from the New York Public Library" Zhi Liu, Sarah Rankin, and **NG**. *AAAI Conference on Artificial Intelligence* (*AAAI'24*)

22. "Large language models shape and are shaped by society: A survey of arXiv publication patterns" Rajiv Movva, Sidhika Balachandar, Kenny Peng, Gabriel Agostini, **NG**, and Emma Pierson. *The North American Chapter of the Association for Computational Linguistics* (*NAACL'24*)

21. "Supply-Side Equilibria in Recommender Systems." Meena Jagadeesan, **NG**, and Jacob Steinhardt. *Thirty-seventh Conference on Neural Information Processing Systems* (*NeurIPS '23*)

20. "Faster Information for Effective LTC Discharge, A Field Study in Adult Foster Care." Vince Bartle, Nicola Dell and **NG**. *ACM Conference on Equity and Access in Algorithms, Mechanisms, and Optimization* (*EAAMO '23*)

19. "Interface Design to Mitigate Inflation in Recommender Systems." Rana Shahout, Yehonatan Peisakhovsky, Sasha Stoikov, and **NG**. *ACM Conference on Recommender Systems* (*RecSys '23*)

18. "Coarse race data conceals disparities in clinical risk score performance." Rajiv Movva, Divya Shanmugam, Kaihua Hou, Priya Pathak, John Guttag, **NG**, and Emma Pierson. *Machine Learning for Healthcare* (*MLHC '23*)

    ML4H Best Findings Paper (Honorable Mention), 2023

17. "Equity in Resident Crowdsourcing: Measuring Under-reporting without Ground Truth Data." Zhi Liu and **NG**. *ACM Conference on Economics and Computation* (*EC '22*).

16. "Combatting Gerrymandering with Social Choice: the Design of Multi-member Districts." **NG**, Wes Gurnee, David Rothschild, and David Shmoys. *ACM Conference on Economics and Computation* (*EC '22*) and *Under Review at Operations Research.*

    Media: *Cornell Chronicle*

15. "Trucks Don't Mean Trump: Diagnosing Human Error in Image Analysis." J.D. Zamfirescu-Pereira, Jerry Chen, Emily Wen, Allison Koenecke, **NG**, and Emma Pierson. *ACM Conference on Fairness, Accountability, and Transparency* (*FAccT '22*)

14. "Fair Ranking: a Critical Review, Challenges, and Future Directions." Gourab K Patro, Lorenzo Porcaro, Laura Mitchell, Qiuyue Zhang, Meike Zehlike, and **NG**. *ACM Conference on Fairness, Accountability, and Transparency* (*FAccT '22*)

13. "Strategic Ranking." Lydia Liu, **NG**, and Christian Borgs. *International Conference on Artificial Intelligence and Statistics* (*AISTATS '22*)

12. "Test-optional Policies: Overcoming Strategic Behavior and Informational Gaps." Zhi Liu and **NG**. *ACM Conference on Equity and Access in Algorithms, Mechanisms, and Optimization* (*EAAMO '21*)

11. "The Stereotyping Problem in Collaboratively Filtered Recommender Systems." Wenshuo Guo, Karl Krauth, Michael I. Jordan, and **NG**. *ACM Conference on Equity and Access in Algorithms, Mechanisms, and Optimization* (*EAAMO '21*)

10. "Standardized Tests and Affirmative Action: The Role of Bias and Variance." (2021) **NG**, Hannah Li, and Faidra Monachou. *ACM Conference on Fairness, Accountability, and Transparency* (*FAccT '21*). Also accepted to the *ACM Conference on Equity and Access in Algorithms, Mechanisms, and Optimization* (*EAAMO '21*).

    ACM EAAMO Student Paper Award, 2021

    INFORMS DEI Best Student Paper Award, 2022

9. "Driver Surge Pricing" (2020). **NG** and Hamid Nazerzadeh. *ACM Conference on Economics and Computation* (*EC '20*).

8. "Designing Informative Rating Systems: Evidence from an Online Labor Market" (2020). **NG** and Ramesh Johari. *ACM Conference on Economics and Computation* (*EC '20*).

7. "Fair Allocation through Selective Information Acquisition" (2020). William Cai, Johann Gaebler, **NG**, and Sharad Goel. *AAAI/ACM Conference on Artificial Intelligence, Ethics, and Society* (*AIES '20*).

6. "Who is in Your Top Three? Optimal Learning in Elections with Many Candidates" (2019). **NG**, Lodewijk Gelauff, Sukolsak Sakshuwong, and Ashish Goel. *AAAI Conference on Human Computation and Crowdsourcing* (*HCOMP '19*).

5. "Analyzing Polarization in Social Media: Method and Application to Tweets on 21 Mass Shootings" (2019). Dora Demszky, **NG**, Rob Voigt, James Zou, Jesse Shapiro, Matthew Gentzkow, and Dan Jurafsky. *North American Chapter of the Association for Computational Linguistics* (*NAACL '19*).

    Media: *Washington Post*, *Stanford News*

4. "Designing Optimal Binary Rating Systems" (2019). **NG** and Ramesh Johari. *International Conference on Artificial Intelligence and Statistics* (*AISTATS '19*).

3. "Markets for Public Decision-making" (2018). **NG**, Ashish Goel, and Ben Plaut. *Web and Internet Economics* (*WINE '18*).

2. "Collaborative Optimization for Collective Decision-making in Continuous Spaces" (2017). **NG**, Vijay Kamble, Ashish Goel, David Marn, and Kamesh Munagala. *International Conference on World Wide Web* (*WWW '17*).

1. "Impact of Dual Slope Path Loss on User Association in HetNets" (2015). **NG**, Sarabjot Singh, and Jeffrey Andrews. *IEEE Globecom Workshops* (*GC Wkshps '15*).

Theses

2. "Designing Marketplaces and Civic Engagement Platforms: Learning, Incentives, and Pricing" (2020). **NG**. *PhD Dissertation*, Stanford University.

    INFORMS George Dantzig Dissertation Award, 2020

    ACM SIGecom Dissertation Award (Honorable Mention), 2021

1. "Downlink and Uplink User Association in Dense Next-Generation Wireless Networks" (2015). **NG**. *Bachelors Thesis*, University of Texas at Austin, Austin, TX.

INVITED TALKS & SELECTED PRESENTATIONS

Public Interest AI: How algorithms underpin everyday systems
— SUNY New Paltz Harrington STEM Lecture Series (general audience)   2026

Recommendations in the NYC High School Match (*and other high-stakes settings*)
— Yale Foundations of Data Science, Johns Hopkins Biostatistics, UChicago CSS   2026
— Simons Berkeley, NYU, UPenn Wharton OID, Princeton CITP, Cornell Johnson   2026

Recommendations in High-stakes Settings
— Cornell DLI, NYU, Google, Northwestern, INFORMS, Harvard EconCS, MIT AI4Society   2025
— Queens College CUNY, Microsoft Research, Stanford RAIN, OM in the Wild, KDD PaRiS (keynote) 2025
— Toronto Rotman, INFORMS JGIF Seminar, Netflix, Penn State, CMU   2024
— Columbia Workshop on Fairness in Operations and AI   2023

Panels (*Panelist or Moderator*)
— CSCW Northeast, Public Interest Tech Showcase   2025

Participatory Mechanisms: from Theory to Practice
— Structural Democracy seminar   2025

Tutorial on AI for Social Interest (*Co-presenter*)
— EAAMO   2023

Efficiency and Equity in Resident Crowdsourcing
— Institute for Pure and Applied Mathematics, MIT, ACM EC, Columbia GSAPP, NYC Tech Forum   2024
— MIT, Michigan, UT Austin, Cornell SCAN, NYC Open Data, Data Driven Urban Tech, Impact Labs   2023
— UIUC C3.ai, Harvard CRCS, INFORMS, Columbia DRO/IEOR, NYU   Fall 2022
— Google, INFORMS AI/OR workshop   Summer 2022
— U. Pittsburgh, IIM Ahmedabad, C3.ai, U. Maryland Social Impact Analytics Workshop   Spring 2022
    NYC Open Data Week, Columbia DSI, NBER Decentralization Conference, TOC4Fairness

Combatting Gerrymandering with Social Choice: the Design of Multi-member Districts
— Public Choice Society, JMM - Institute for Mathematics and Democracy   2022 & 2023
— Duke, ETH Zurich, USC, INFORMS   2021

Dropping Standardized Testing for Admissions: Differential Variance and Access
— NYU, Yale, Sharif   2021

Political Data Science and Operations for the 2020 Elections
— Springboard Rise, Cornell Tech   Fall 2020

Driver Surge Pricing
— EC   July 2020
— Berkeley Haas, NYU Stern, UCLA Anderson, USC Marshall, Cornell Tech, Cornell ORIE   Spring 2020
— UT Austin McCombs, Minnesota ISyE, MIT Sloan, Georgetown McDonough, Virginia Darden   Fall 2019
    Cornell ORIE Young Researchers Workshop, INFORMS Annual Meeting
— Market Design workshop at EC, Revenue Management and Pricing Conference   June 2019

Designing Informative Rating Systems: Evidence from an Online Labor Market
— EC   July 2020
— INFORMS Annual Meeting 2019   October 2019
— Uber research seminar   July 2018
— Market Design workshop at EC   June 2018
— Stanford SOAL seminar   April 2018
— INFORMS Annual Meeting 2017   October 2017
— Marketplace Innovation Workshop   June 2017

Word Embeddings Quantify 100 Years of Gender and Ethnic Stereotypes
— USF Data Institute   June 2019
— Stanford Symbolic Systems Symposium   January 2019

Who is in Your Top Three? Optimal Learning in Elections with Many Candidates
— AAAI Conference on Human Computation and Crowdsourcing   October 2019

Markets for Public Decision-making
— INFORMS Annual Meeting 2018   November 2018

Collaborative Optimization for Collective Decision-making in Continuous Spaces
— International Conference on World Wide Web   April 2017

INDUSTRY & POLICY EXPERIENCE

PredictWise
Principal Data Scientist   2020
Senior Scientific Advisor   2020-Present
Elections analytics for registration, turnout, and persuasion

Uber   Summer 2018

Data Science Intern, Marketplace
Algorithmic pricing and driver payments

IEEE-USA Summer 2015
Technology Policy Associate
Wireless spectrum regulation

Microsoft Summer 2014
Software Development Engineering Intern, Bing Ads
Streaming data pipeline for ad analytics

Texas Senate Fall 2013
Legislative Intern, State Senator Davis's Legislative Office
Bill research and constituent communications

NASA Summer 2013
Research Associate, Glenn Research Center
Multi-modal signal processing to measure attentive cognitive state

Collaboration/consulting: NewLab, PredictWise, Clipboard Health, Ocurate, Upwork, Jet Blue Technology Ventures, SNCF, DAS Worldwide

ADVISING

PhD Theses in progress

- Gabriel Agostini (Cornell IS; co-advised with Emma Pierson)
- Sidhika Balachandar (Berkeley CS; co-advised with Emma Pierson)
- Vince Bartle (Cornell IS; co-advised with Nicki Dell)
- Kenneth Peng (Cornell CS; co-advised with Jon Kleinberg)
- Erica Chiang (Cornell CS; co-advised with Emma Pierson)
- Evan Dong (Cornell CS; co-advised with Angelina Wang)
- Sophie Greenwood (Cornell CS; co-advised with Jon Kleinberg)
- Kevin Ren (Cornell CS)

Graduated PhD students

- Zhi Liu, 2025; Cornell ORIE; First job: Upstart; Finalist for INFORMS George Dantzig Dissertation Award

Postdoctoral Associates

- Ira Globus-Harris, 2025-Present; Co-Mentor for Assistant Research Professor position as part of Center for Data Science for Enterprise and Society

Former Postdoctoral Associates

- Alfredo Torrico, 2022-2025; Co-Mentor for Assistant Research Professor position as part of Center for Data Science for Enterprise and Society First position: Assistant Professor at USC
- Smitha Milli, 2022-2024; co-hosted with Emma Pierson; First position: Meta FAIR

TEACHING

Cornell Tech (All as primary faculty and/or course designer)
— ORIE 5355/INFO 5370 (Master's). Applied Data Science: Decision-making beyond Prediction   Fall 2021-25
— ORIE 6170 (PhD). Engineering Societal Systems   Spring 2022, 2025
— ORIE 5138/CS 5854 (Master's). Networks and Markets   Spring 2024, 2026
— ORIE 6217/CS 6384 (PhD). Applied Bayesian Data Analysis for Research   Spring 2023
— Break Through Tech AI program (undergraduates), Faculty lead   Summer 2022
Stanford University
— MS&E 226 (Master's). Fundamentals of Data Science, *Teaching Assistant*   Fall 2018, 2019
— MS&E Data Science (Exec Education): An Introduction to Prediction, *Course Design Assistant*   2018-2019
— OIT 521 (MBA). Data Science for Online Marketplaces, *Teaching Assistant*   Spring 2018

AddisCoder (Addis Ababa, Ethiopia)
— Introduction to Computer Science (High Schoolers), *Teaching Assistant*   Summer 2019

University of Texas at Austin
— EE 306. Introduction to Computing (undergraduates), *Teaching Assistant* Fall 2013
— M408C. Integral Calculus (undergraduates), *Teaching Assistant* Spring 2012

PROFESSIONAL & ACADEMIC ACTIVITIES

Funding

Solo PI, Lead PI, or co-Lead PI (Total: $1,033,541)

- Sloan Foundation, 2025, $80,041 (Role: Lead PI; Co-PIs: Jon Kleinberg & Eva Tardos)
- NSF CAREER, 2024, $500,000 (Solo PI)
- Google Cyber NYC, 2025, $80,000 (Solo PI)
- Amazon Research Awards, 2024, $70,000; 2025, $70,000 (Solo PI)
- Cornell Tech Urban Tech Hub Research Seed Grant, 2023 (Role: Co-PI; Co-PI: Emma Pierson), $75,000
- Cornell Center for Social Sciences, 2023, $9,000 (Solo PI)
- Meta Fairness in Two-Sided Markets, 2022, $49,501 (Solo PI)
- Cornell Tech Urban Tech Hub Research Seed Grant, 2021, $100,000 (Solo PI)

Co-PI or other role

- Cornell Bowers Research Accelerator, 2025, $50,000 (Role: Co-PI; PI: Allison Koenecke; Co-PIs: Angelina Wang, Sarah Dean, Deborah Estrin)
- Mastercard, 2025, $600,000 (Role: Co-PI; PI: Mor Naaman; Co-PIs: Allison Koenecke, Angelina Wang, Helen Nissenbaum)
- NASA, 2025, $2,499,959 (Role: Co-PI; Lead PI: Ramin Zabih and ArXiv team)
- Goergen Institute for Data Science Seed Grant, 2023 (Role: Co-PI; Lead PI: Anson Kahng), $20,000

Reviewing and Organization

Program Chair ACM EAAMO, 2025

Organizer NYC Open Data Week event, 2025; Data-Driven Urban Tech Workshop, 2023; Open Data Week 2023 event on Academia and Government Collaboration; EC21 Operations of People-Centric Systems Workshop; Open Data Week 2022 session; Tutorial for AI for Societal Interest at EAAMO23

Area Chair/Senior PC EC26, AAAI25, EAAMO24, FAccT24, EAAMO22, EAAMO21

PC Member/Reviewer EC25, EC24, ACL24, AAAI23, WWW23, EC23, FAccT23, WSDM23, EAAMO23, AASG23, FAccT22, FAccTRec22, EC22, WWW21, WINE21, EC21, MD4SG20 Workshop, NeurIPS20 CDMDE Workshop, Global Challenges in EC20, WWW18 Big Web Track, European Symposium on Algorithms, AAAI Human Computing, ICWSM

Reviewer (journals) Nature Machine Intelligence, Nature Human Behavior, PNAS, Management Science, Operations Research, M&SOM, POMS, Political Science Research and Methods, Autonomous Agents and Multi-Agent Systems, INFORMS Journal on Optimization, Information Systems, Behavior Research Methods, M&SOM and DEI student paper competitions, PNAS Nexus.
- Recipient of 2021 Management Science Service Award for reviewing

Service and Outreach

- Cornell Center for Data Science in Enterprise and Society Faculty Fellow, 2025 - Present
- ORIE Young Researchers Workshop Committee, Cornell, 2025
- Academic Integrity Committee, Cornell Tech, 2023-2025
- PhD Life Committee, Cornell Tech, 2022-2023
- Break Through Tech AI program faculty lead, Cornell Tech, 2022
- DEI Strategic Planning Committee, Cornell Tech, 2021-2022
- Co-lead for working groups, Mechanism Design for Social Good (MD4SG), 2020-2023
- SWAG to College (Houston non-profit) Computer Science Career Guide, 2018
- Organizer, Stanford Society & Algorithms (SOAL) Seminar, 2017-2018
- Organizer, Stanford Research on Algorithms, Incentives, and Networks (RAIN) Seminar, 2016-2017

Other Academic Positions

- Wireless Networks and Communications Group (under Jeffrey Andrews), UT Austin, 2014-2015
- Mobile and Pervasive Computing Group (under Christine Julien), UT Austin, 2012-2013
- Autonomous Vehicles Lab Freshman Research Initiative, UT Austin, 2012