# **Serina Chang**

serinac@berkeley.edu • https://serinachang5.github.io Last updated: August 30, 2024 Most Recent CV Here

Starting July 2025

University of California, Berkeley, Berkeley, CA

POSITIONS	Assistant Professor, Department of Electrical Engineering and Computer Science (50%), UCSF UC Berkele Joint Program in Computational Precision Health (50%)	
	Microsoft Research, New York, NY	2024-2025
	Postdoctoral Researcher, Computational Social Science group	
<b>EDUCATION</b>	Stanford University, Stanford, CA	2019-2024
	Ph.D., Computer Science	
	Advisors: Jure Leskovec, Johan Ugander; Thesis committee: Dan Jurafsky, Eric Horvitz	
	Dissertation: "Computational Methods for Human Networks and High-Stakes Decisions"	
	Columbia University, New York, NY	2015-2019
	B.A., Computer Science (major), Sociology (concentration), magna cum laude	
	Advisor: Kathleen McKeown	
HONORS	<b>Rising Stars in Data Science</b> , University of Chicago and University of California San Diego	2023
	<b>EECS Rising Stars</b> , Georgia Institute of Technology	2023
	Future Faculty Symposium Scholar, Cornell University	2023
	PhD Fellowship, Computational Social Science, Meta	2022
	Best Paper Award, KDD 2021 (Applied Data Science Track)	2021
	Graduate Research Fellowship, National Science Foundation	2019
	The Finch Family Fellowship, Stanford University, School of Engineering	2019
	Outstanding Undergraduate Researcher Award, Computing Research Association	2019
	Phi Beta Kappa, Columbia University	2019
	Theodore R. Bashkow Award, Columbia University, Computer Science	2019
	Academic Excellence Award, Columbia University, Computer Science	2019
	King's Crown Leadership Award, Innovation and Enhancement, Columbia University	2018
	Dean's List (all semesters), Columbia University	2015-2019
PAPERS	*indicates co-first authorship. $^{\dagger}$ indicates a student I mentored.	
	[16] LLMs generate structurally realistic social networks but overestimate political homophily <b>Serina Chang*</b> , Alicja Chaszczewicz*†, Emma Wang†, Maya Josifovska†, Emma Pi Leskovec Presented at IC <sup>2</sup> S <sup>2</sup> 2024 as <b>Plenary Talk</b> (2.8% of submissions)	

[15] Learning production functions for supply chains with graph neural networks

**Serina Chang**, Zhiyin Lin<sup>†</sup>, Benjamin Yan<sup>†</sup>, Swapnil Bembde, Qi Xiu, Chi Heem Wong, Yu Qin, Frank Kloster, Xi Luo, Raj Palleti, and Jure Leskovec

Under review

**ACADEMIC** 

Also presented at Stanford Graph Learning Workshop 2023 (invited talk); Stanford Causal Science Conference 2023 (oral)

[14] Artificial Intelligence for Infectious Disease Epidemiology

Moritz U.G. Kraemer\*, Joseph L.-H. Tsui\*, **Serina Chang**\*, Spyros Lytras, Samantha Vanderslott, Sumali Bajaj, Elizaveta Semenova, Mengyan Zhang, H. Juliette T. Unwin, Mark P. Khurana, Jacob Liam Curran-Sebastian, Neil Scheidwasser, Oliver J. Watson, Cathal Mills, Abhishek Dasgupta, Luca Ferretti, Samuel V. Scarpino, Etien Koua, Oliver Morgan, Houriiyah Tegally, Ulrich Paquet, Serge Belongie, Christophe Fraser, Neil M. Ferguson, Edward C. Holmes, Eric J. Topol, David A. Duchêne, Tanja Stadler, Patricia Kingori, Michael J. Parker, Francesca Dominici, Nigel Shadbolt, Marc A. Suchard, Oliver Ratmann, Seth Flaxman, Manuel G. Rodriguez, Bernhard Schölkopf, Christl A. Donnelly, Oliver G. Pybus, Simon Cauchemez, and Samir Bhatt

Under review

[13] Measuring vaccination coverage and concerns of vaccine holdouts from web search logs

**Serina Chang**, Adam Fourney, and Eric Horvitz

Nature Communications 2024

Also presented at KDD 2023 Workshop on Epidemiology Meets Data Mining and Knowledge Discovery (oral); KDD 2023 Workshop on Data Science for Social Good (oral); IC<sup>2</sup>S<sup>2</sup> 2024 (oral)

[12] Inferring dynamic networks from marginals with iterative proportional fitting

**Serina Chang**\*, Frederic Koehler\*, Zhaonan Qu\*, Jure Leskovec, and Johan Ugander ICML 2024

Also presented at Learning on Graphs 2023

[11] Estimating geographic spillover effects of COVID-19 policies from large-scale mobility networks

Serina Chang, Damir Vrabac $^{\dagger},$  Jure Leskovec, and Johan Ugander

**AAAI 2023** 

Also presented at KDD 2022 Workshop on Data-driven Humanitarian Mapping and Policymaking (oral);  $IC^2S^2$  2022

[10] Computational analysis of 140 years of US political speeches reveals more positive but increasingly polarized framing of immigration

Dallas Card, **Serina Chang**, Chris Becker, Julia Mendelsohn, Rob Voigt, Leah Boustan, Ran Abramitzky, and Dan Jurafsky

PNAS 2022

Also presented at Conference on New Directions in Analyzing Text as Data (TADA) 2021 (oral)

[9] To recommend or not? A model-based comparison of item-matching processes

Serina Chang and Johan Ugander

ICWSM 2022 (oral)

Also presented at IC<sup>2</sup>S<sup>2</sup> 2021 (oral)

[8] Data-driven real-time strategic placement of mobile vaccine distribution sites

Zakaria Mehrab, Mandy Wilson, **Serina Chang**, Galen Harrison, Bryan L. Lewis, Alex Tellionis, Justin Crowe, Dennis Kim, Scott Spillman, Kate Peters, Jure Leskovec, and Madhav Marathe IAAI 2022

[7] Supporting COVID-19 policy response with large-scale mobility-based modeling

**Serina Chang**, Mandy Wilson, Bryan Lewis, Zakaria Mehrab, Komal K. Dudakiya, Emma Pierson, Pang Wei Koh, Jaline Gerardin, Beth Redbird, David Grusky, Madhav Marathe, and Jure Leskovec KDD 2021 (oral)

Best Paper Award, Applied Data Science Track (1 out of 705 submissions)

[6] Mobility network models of COVID-19 explain inequities and inform reopening

Serina Chang\*, Emma Pierson\*, Pang Wei Koh\*, Jaline Gerardin, Beth Redbird, David Grusky, and Jure Leskovec

Nature 2021

Also presented at Networks 2021 (oral); NeurIPS 2020 COVID-19 Symposium (invited talk); NeurIPS 2020 Machine Learning for Health Workshop

Coverage in 650+ news outlets, including *The New York Times* and *The Washington Post*; ranked as #3 most online impact among 901 similar-age papers published by *Nature* (metrics)

[5] Epidemic dynamics in inhomogeneous populations and the role of superspreaders

Kyle Kawagoe\*, Mark Rychnovsky\*, **Serina Chang**, Greg Huber, Lucy M. Li, Jonathan Miller, Reuven Pnini, Boris Veytsman, and David Yllanes

Physical Review Research 2021

[4] The socioeconomic mobility gap: disparities in the COVID-19 pandemic

Maya Josifovska<sup>†</sup>, **Serina Chang**, and Jure Leskovec

Presented at IC<sup>2</sup>S<sup>2</sup> 2021

[3] Automatically inferring gender associations from language

Serina Chang and Kathleen McKeown

EMNLP 2019 (oral, short paper)

# [2] Detecting gang-involved escalation on social media using context

**Serina Chang**, Ruiqi Zhong, Ethan Adams, Fei-Tzin Lee, Siddharth Varia, Desmond Patton, William Frey, Chris Kedzie, and Kathleen McKeown EMNLP 2018 (oral, long paper)

# [1] Crowd-sourced iterative annotation for narrative summarization corpora

Jessica Ouyang, **Serina Chang**, and Kathleen McKeown EACL 2017 (oral, short paper)

INVITED  MIT, Initiative on Digital Economy (IDE) Seminar  PAILKS  Berkeley, Computational Precision Health Doctoral Seminar  Cornell Tech, Urban Data (INFO 5430)  Stanford, Big Data Methods for Behavioral, Social, and Population Health Research (EPI 270)  2024  Stanford, Big Data Methods for Behavioral, Social, and Population Health Research (EPI 270)  2024  CMU School of Computer Science, Machine Learning Department  Berkeley, EECS Department & Computational Precision Health  2024  Berkeley, EECS Department & Computational Precision Health  2024  AAA1'24 Workshop on Graphs and More Complex Structures for Learning and Reasoning  University of Illinois Urbana-Champaign, Department of Computer Science  AAA1'24 Workshop on Graphs and More Complex Structures for Learning and Reasoning  University of Washington, Paul G. Allen School of Computer Science & Engineering  2024  Microsoft Research NYC, Computational Social Science  Columbia Business School, Decision, Risk, and Operations Division  Cornell. Departments of Computer Science & Information Science  Johns Hopkins, Department of Computer Science & Information Science  Johns Hopkins, Department of Computer Science & Information Science  Johns Hopkins, Department of Computer Science & Information Science  Learning on Graphs Conference, Stanford Meetup  NYU Stern School of Business, Department of Technology, Operations, and Statistics  Learning on Graphs Conference, Stanford Meetup  2023  Northeastern, Network Science Institute Seminar  Cornell Tech, Applied Data Science: Decision-Making Beyond Prediction (ORIE 5355)  2023  NSF Predictive Intelligence for Pandemic Prevention (PIPP), PandEval Research Team  NIS Stanford, Algorithmic Fairness Seminar  2023  NSF Predictive Intelligence for Pandemic Prevention (PIPP), PandEval Research Team  NIN Antonal COVII Dochort Collaborative (NSC), Machine Learning Seminar  2023  Stanford, Burdamental Concepts in MS	INVITED	MIT, Initiative on Digital Economy (IDE) Seminar	2024 (uncoming)
Cornell Tech, Urban Data (INFO 5430) CMU, AI and Emerging Economies (Course 94-894) Dublic Health Insight Podcast Oxford, Networks Seminar Stanford, Big Data Methods for Behavioral, Social, and Population Health Research (EPI 270) Duck CMU School of Computer Science, Machine Learning Department Department Science, Machine Learning Department Duriversity of Illinois Urbana-Champaign, Department of Computer Science Duriversity of Illinois Urbana-Champaign, Department of Computer Science Duriversity of Illinois Urbana-Champaign, Department of Computer Science Duriversity of Washington, Paul G. Allen School of Computer Science & Engineering Duriversity of Washington, Paul G. Allen School of Computer Science & Engineering Duriversity of Washington, Paul G. Allen School of Computer Science & Engineering Duriversity of Washington, Paul G. Allen School of Computer Science & Engineering Duriversity of Washington, Paul G. Allen School of Computer Science & Engineering Duriversity of Washington, Paul G. Allen School of Computer Science & Engineering Duriversity of Washington, Paul G. Allen School of Computer Science & Engineering Duriversity of Washington, Paul G. Allen Science Duriversity of Washington, Paul G. Allen Science & Information Science Duriversity of Washington, Paul G. Allen Science & Information Science Duriversity of Washington, Paul G. Allen Science & Information Science Duriversity of Washington, Paul G. Allen Science & Information Science Duriversity of Washington, Paul G. Allen Science & Information Science of Computing Duriversity of Washington, Paul G. Allen Science & Information Science of Computing Duriversity of Washington Science of Computing Duriversity of Washington Science of Computing Duriversity of Washington Science Science Machine Science Science Science Science Machine Science			· · ·
CMU, AI and Emerging Economies (Course 94-894) Public Health Insight Podcast Oxford, Networks Seminar Stanford, Big Data Methods for Behavioral, Social, and Population Health Research (EPI 270) 2024 CMU School of Computer Science, Machine Learning Department 2024 Berkeley, EECS Department & Computational Precision Health University of Illinois Urbana-Champaign, Department of Computer Science 2024 AAAI'24 Workshop on Graphs and More Complex Structures for Learning and Reasoning 2024 University of Washington, Paul G. Allen School of Computer Science & Engineering 2024 Microsoft Research NYC, Computational Social Science 2024 Microsoft Research NYC, Computer Science & Information Science 2024 Columbia Business School, Decision, Risk, and Operations Division 2024 Cornell, Department of Computer Science & Information Science 2023 Johns Hopkins, Department of Computer Science & Information Science 2023 MIT, Department of Political Science & Schwarzman College of Computing 2023 NVU Stern School of Business, Department of Technology, Operations, and Statistics 2023 Learning on Graphs Conference, Stanford Meetup 2023 Northeastern, Network Science Institute Seminar 2023 Cornell Tech, Applied Data Science: Decision-Making Beyond Prediction (ORIE 5355) 2023 Stanford, Graph Learning Workshop 2023 Cornell Tech, Data Science for Social Change (CS 6382) NSF Predictive Intelligence for Pandemic Prevention (PIPP), PandEval Research Team 2023 NIH National COVID Cohort Collaborative (N3C), Machine Learning Seminar 2023 Stanford, Networks (MS&E 135) 2023 Stanford, Fundamental Concepts in MS&E (MS&E 302) 2024 Stanford, Fundamental Concepts in MS&E (MS&E 302) 2025 Stanford, Fundamental Concepts in MS&E (MS&E 302) 2026 Stanford, Big Data Methods for Behavioral, Social, and Population Health Research (EPI 270) 2022 2026 2027 2027 2027 2027 2027 2027	II ILIKO		
Public Health Insigh Podcast Oxford, Networks Seminar 2024 Stanford, Big Data Methods for Behavioral, Social, and Population Health Research (EPI 270) 2024 CMU School of Computer Science, Machine Learning Department 2024 Berkeley, EECS Department & Computational Precision Health University of Illinois Urbana-Champaign, Department of Computer Science 2024 AAAI'24 Workshop on Graphs and More Complex Structures for Learning and Reasoning 2024 University of Washington, Paul G. Allen School of Computer Science & Engineering 2024 Microsoft Research NYC, Computational Social Science 2024 Columbia Business School, Decision, Risk, and Operations Division 2024 Cornell, Departments of Computer Science & Information Science 2023 Johns Hopkins, Department of Computer Science & Information Science 2023 Johns Hopkins, Department of Fomputer Science & Information Science 2023 MTT, Department of Political Science & Schwarzman College of Computing 2023 NYU Stem School of Business, Department of Technology, Operations, and Statistics 2023 Learning on Graphs Conference, Stanford Meetup Northeastern, Network Science Institute Seminar 2023 Cornell Tech, Applied Data Science: Decision-Making Beyond Prediction (ORIE 5355) 2023 Stanford, Graph Learning Workshop 2023 Columbia, Analysis of Networks and Crowds (COMS 6998) 2023 Cornell Tech, Data Science for Social Change (CS 6382) NSF Predictive Intelligence for Pandemic Prevention (PIPP), PandEval Research Team 2023 NIH National COVID Cohort Collaborative (N3C), Machine Learning Seminar 2023 Stanford, Algorithmic Fairness Seminar 2023 Stanford, Networks (MS&E 135) 2023 Stanford, Big Data Methods for Behavioral, Social, and Population Health Research (EPI 270) 2022 Cornell Tech, Urban Data (INFO 5430) Stanford, Big Data Methods for Behavioral, Social, and Population Health Research (EPI 270) 2022 Cornell Tech, Urban Data (INFO 5430) Stanford, Spotal Data Research Podcast 2021 PathCheck Global Health Innovators Seminar 2022 Stanford, Spotal Data Research Podcast 2021 Stanford Social Data R			
Oxford, Networks Seminar  Stanford, Big Data Methods for Behavioral, Social, and Population Health Research (EPI 270)  CMU School of Computer Science, Machine Learning Department  Derkeley, EECS Department & Computational Precision Health  University of Illinois Urbana-Champaign, Department of Computer Science  AAAI'24 Workshop on Graphs and More Complex Structures for Learning and Reasoning  University of Washington, Paul G. Allen School of Computer Science & Engineering  Death Microsoft Research NYC, Computational Social Science  Columbia Business School, Decision, Risk, and Operations Division  Cornell, Departments of Computer Science & Information Science  Johns Hopkins, Department of Computer Science  MIT, Department of Political Science & Schwarzman College of Computing  NYU Stern School of Business, Department of Technology, Operations, and Statistics  Death School of Business, Department of Technology, Operations, and Statistics  Cornell Tech, Applied Data Science: Decision-Making Beyond Prediction (ORIE 5355)  Stanford, Graph Learning Workshop  Columbia, Analysis of Networks and Crowds (COMS 6998)  Cornell Tech, Data Science For Social Change (CS 6382)  NSF Predictive Intelligence for Pandemic Prevention (PIPP), PandEval Research Team  John Handonal COVID Cohort Collaborative (N3C), Machine Learning Seminar  Stanford, Algorithmic Fairness Seminar  Stanford, Networks (MS&E 135)  Meta, Computational Social Science Seminar  Stanford, Introduction to Computational Social Science (MS&E 231)  Meta, Computational Social Science Seminar  Stanford, Introduction to Computational Social Science (MS&E 302)  Stanford, Brudamental Conference  March for Science Podicast  PathCheck Global Health Innovators Seminar  Stanford, Networks (MS&E 135)  Daia Science Connect Conference  March for Social Data Research Podcast  Stanford, Networks (MS&E 135)  Daiaries of Social Data Research Podcast  Stanford, Networks (MS&E 135)  Daiaries of Social Data Research Podcast  Stanford, Networks (MS&E 135)  Daiaries of Social Data Res		, ,	
Stanford, Big Data Methods for Behavioral, Social, and Population Health Research (EPI 270) CMU School of Computer Science, Machine Learning Department Berkeley, EECS Department & Computational Precision Health University of Illinois Urbana-Champaign, Department of Computer Science AAAI'24 Workshop on Graphs and More Complex Structures for Learning and Reasoning University of Washington, Paul G. Allen School of Computer Science & Engineering 2024 Microsoft Research NYC, Computational Social Science Columbia Business School, Decision, Risk, and Operations Division 2024 Cornell, Departments of Computer Science & Information Science 2023 Johns Hopkins, Department of Computer Science 2023 Johns Hopkins, Department of Computer Science 2023 MIT, Department of Political Science & Schwarzman College of Computing 2023 NYU Stern School of Business, Department of Technology, Operations, and Statistics 2023 Learning on Graphs Conference, Stanford Meetup 2023 Northeastern, Network Science Institute Seminar 2023 Cornell Tech, Applied Data Science: Decision-Making Beyond Prediction (ORIE 5355) 2023 Stanford, Graph Learning Workshop 2023 Comell Tech, Data Science for Social Change (CS 6382) 2023 NSF Predictive Intelligence for Pandemic Prevention (PIPP), PandEval Research Team 2023 NIH National COVID Cohort Collaborative (N3C), Machine Learning Seminar 2023 Stanford, Algorithmic Fairness Seminar 2023 Stanford, Introduction to Computational Social Science (MS&E 231) 2023 Stanford, Fundamental Concepts in MS&E (MS&E 302) 2024 Cornell Tech, Urban Data (INFO 5430) Stanford, Sing Data Methods for Behavioral, Social, and Population Health Research (EPI 270) 2022 2021 2021 2021 2021 2022 2021 2021 2023 2024 2024 2024 2024 2025 2026 2026 2026 2027 2027 2020 2020 2020			
CMU School of Computer Science, Machine Learning Department 2024 Berkeley, EECS Department & Computational Precision Health University of Illinois Urbana-Champaign, Department of Computer Science 2024 AAAI'24 Workshop on Graphs and More Complex Structures for Learning and Reasoning 2024 University of Washington, Paul G. Allen School of Computer Science & Engineering 2024 Microsoft Research NYC, Computational Social Science (2024 Columbia Business School, Decision, Risk, and Operations Division 2024 Commell, Departments of Computer Science & Information Science 2023 Johns Hopkins, Department of Computer Science & Information Science 2023 MIT, Department of Political Science & Schwarzman College of Computing 2023 NYU Stem School of Business, Department of Technology, Operations, and Statistics 2023 Learning on Graphs Conference, Stanford Meetup 2023 Northeastern, Network Science Institute Seminar 2023 Cornell Tech, Applied Data Science: Decision-Making Beyond Prediction (ORIE 5355) 2023 Stanford, Graph Learning Workshop 2023 Cornell Tech, Data Science for Social Change (CS 6382) Cornell Tech, Data Science for Social Change (CS 6382) NSF Predictive Intelligence for Pandemic Prevention (PIPP), PandEval Research Team 2023 NSF Predictive Intelligence for Pandemic Prevention (PIPP), PandEval Research Team 2023 Stanford, Algorithmic Fairness Seminar 2023 Stanford, Algorithmic Fairness Seminar 2023 Stanford, Algorithmic Fairness Seminar 2023 Stanford, Introduction to Computational Social Science (MS&E 231) 2022 Stanford, Big Data Methods for Behavioral, Social, and Population Health Research (EPI 270) 2022 Cornell Tech, Urban Data (INFO 5430) Stanford, Networks (MS&E 135) 2022 Stanford, Big Data Methods for Behavioral, Social, and Population Health Research (EPI 270) 2022 OECD-ODISSEI Webinar on Open Data Infrastructure 2021 PathCheck Global Health Innovators Seminar 2021 Stanford, Networks (MS&E 135) 2021 Data Science Connect Conference 2021 NeurPS, COVID-19 Symposium 2020 Al Science Spotlight Series 2021 Global Pervas			
Berkeley, EECS Department & Computational Precision Health University of Illiniosi Urbana-Champaign, Department of Computer Science AAA1'24 Workshop on Graphs and More Complex Structures for Learning and Reasoning 2024 University of Washington, Paul G, Allen School of Computer Science & Engineering 2024 Microsoft Research NYC, Computational Social Science Columbia Business School, Decision, Risk, and Operations Division 2024 Cornell, Department of Computer Science & Information Science 2023 Johns Hopkins, Department of Computer Science 2023 MIT, Department of Political Science & Schwarzman College of Computing 2023 MIT, Department of Political Science & Schwarzman College of Computing 2023 NYU Stern School of Business, Department of Technology, Operations, and Statistics 2023 Learning on Graphs Conference, Stanford Meetup 2023 Northeastern, Network Science Institute Seminar 2023 Cornell Tech, Applied Data Science: Decision-Making Beyond Prediction (ORIE 5355) 2023 Stanford, Graph Learning Workshop 2023 Columbia, Analysis of Networks and Crowds (COMS 6998) 2023 Cornell Tech, Data Science for Social Change (CS 6382) NSF Predictive Intelligence for Pandemic Prevention (PIPP), PandEval Research Team 2023 NIH National COVID Cohort Collaborative (N3C), Machine Learning Seminar 2023 Stanford, Algorithmic Fairness Seminar 2023 Stanford, Networks (MS&E 135) 2023 Meta, Computational Social Science Seminar 2023 Stanford, Fundamental Concepts in MS&E (MS&E 231) 2022 Cornell Tech, Urban Data (INFO 5430) 2022 Stanford, Fundamental Concepts in MS&E (MS&E 302) 2022 Cornell Tech, Urban Data (INFO 5430) 2022 Stanford, Sig Data Methods for Behavioral, Social, and Population Health Research (EPI 270) 2022 20ECD-ODISSEI Webinar on Open Data Infrastructure 2021 Data Science Connect Conference 2021 Anch for Science Podcast 2021 PathCheck Global Health Innovators Seminar 2021 Stanford, Networks (MS&E 135) 2021 PathCheck Global Health Innovators Seminar 2021 Stanford, Stanford, Stanford, Stanford, Speaker Event 2021 PathCheck Global He			
University of Illinois Urbana-Champaign, Department of Computer Science AAAl'24 Workshop on Graphs and More Complex Structures for Learning and Reasoning 2024 University of Washington, Paul G. Allen School of Computer Science & Engineering 2024 Microsoft Research NYC, Computational Social Science 2024 Columbia Business School, Decision, Risk, and Operations Division 2028 Cornell, Departments of Computer Science & Information Science 2023 Johns Hopkins, Department of Computer Science 2023 MIT, Department of Political Science & Schwarzman College of Computing 2023 NYU Stern School of Business, Department of Technology, Operations, and Statistics 2023 Northeastern, Network Science Institute Seminar 2023 Northeastern, Network Science Institute Seminar 2023 Cornell Tech, Applied Data Science: Decision-Making Beyond Prediction (ORIE 5355) 2023 Stanford, Graph Learning Workshop 2023 Comell Tech, Data Science for Social Change (CS 6382) 2023 NSF Predictive Intelligence for Pandemic Prevention (PIPP), PandEval Research Team 2023 NIH National COVID Cohort Collaborative (N3C), Machine Learning Seminar 2023 Stanford, Algorithmic Fairness Seminar 2023 Stanford, Networks (MS&E 135) 2023 Stanford, Networks (MS&E 135) 2023 Stanford, Fundamental Concepts in MS&E (MS&E 302) 2022 Cornell Tech, Urban Data (INFO 5430) 2022 Stanford, Big Data Methods for Behavioral, Social, and Population Health Research (EPI 270) 2022 Cornell Tech, Urban Data (INFO 5430) 2022 Stanford, Big Data Methods for Behavioral, Social, and Population Health Research (EPI 270) 2022 Stanford Social Data Research Podcast 2021 Data Science Connect Conference 2021 Data Science Connect Conference 2021 Stanford Social Data Research Podcast 2021 Stanford Science Podcast 2021 Path Check Global Health Innovators Seminar 2023 Stanford Social Data Research Podcast 2021 Data Science Spotlight Series 2020 Global Pervasive Computational Epidemiology Seminar 2020 Stanford, Stats ML Retreat 2020 Columbia, NLP Seminar 2020 Stanford, Stats ML Retreat			
AAA1'24 Workshop on Graphs and More Complex Structures for Learning and Reasoning University of Washington, Paul G. Allen School of Computer Science & Engineering Wicrosoft Research NYC, Computational Social Science Columbia Business School, Decision, Risk, and Operations Division 2024 Cornell, Departments of Computer Science & Information Science 2023 Johns Hopkins, Department of Computer Science 2023 MIT, Department of Political Science & Schwarzman College of Computing 2023 NYU Stern School of Business, Department of Technology, Operations, and Statistics 2023 Learning on Graphs Conference, Stanford Meetup 2023 Northeastern, Network Science Institute Seminar 2023 Cornell Tech, Applied Data Science: Decision-Making Beyond Prediction (ORIE 5355) 2023 Stanford, Graph Learning Workshop 2023 Columbia, Analysis of Networks and Crowds (COMS 6998) 2023 Columbia, Analysis of Networks and Crowds (COMS 6998) 2023 NSF Predictive Intelligence for Pandemic Prevention (PIPP), PandEval Research Team 2023 NIH National COVID Cohort Collaborative (N3C), Machine Learning Seminar 2023 Stanford, Algorithmic Fairness Seminar 2023 Stanford, Networks (MS&E 135) Meta, Computational Social Science Seminar 2023 Stanford, Introduction to Computational Social Science (MS&E 231) 2022 Stanford, Fundamental Concepts in M5&E (MS&E 302) 2022 Cornell Tech, Urban Data (INFO 5430) 2022 Stanford, Big Data Methods for Behavioral, Social, and Population Health Research (EPI 270) 2022 Cornell Tech, Urban Data (INFO 5430) 2021 Data Science Connect Conference 2021 March for Science Podcast 2021 2021 Data Science Social Data Research Podcast 2021 2021 Stanford San Diego Alumni Club, Speaker Event 2021 2021 2022 Stanford San Diego Alumni Club, Speaker Event 2021 2021 2022 Stanford Social Data Research Podcast 2020 2021 2021 2022 Stanford San Diego Alumni Club, Speaker Event 2021 2022 2023 2024 2024 2026 2026 2026 2026 2027 2027 2027 2028 2029 2029 2020 2020 2020 2021 2021 2021			
University of Washington, Paul G. Allen School of Computer Science & Engineering Microsoft Research NYC, Computational Social Science Columbia Business School, Decision, Risk, and Operations Division 2024 Cornell, Departments of Computer Science & Information Science 2023 Johns Hopkins, Department of Computer Science & Information Science 2023 MIT, Department of Political Science & Schwarzman College of Computing 2023 NYU Stern School of Business, Department of Technology, Operations, and Statistics 2023 Learning on Graphs Conference, Stanford Meetup 2023 Northeastern, Network Science Institute Seminar 2023 Cornell Tech, Applied Data Science: Decision-Making Beyond Prediction (ORIE 5355) 2023 Stanford, Graph Learning Workshop 2023 Columbia, Analysis of Networks and Crowds (COMS 6998) 2023 Cornell Tech, Data Science for Social Change (CS 6382) 2023 NSF Predictive Intelligence for Pandemic Prevention (PIPP), PandEval Research Team 2023 NIH National COVID Cohort Collaborative (N3C), Machine Learning Seminar 2023 Stanford, Algorithmic Fairness Seminar 2023 Stanford, Networks (MS&E 135) 2023 Meta, Computational Social Science Seminar 2023 Stanford, Introduction to Computational Social Science (MS&E 231) 2022 Cornell Tech, Urban Data (INFO 5430) 2022 Cornell Tech, Urban Data (INFO 5430) 2022 Cornell Tech, Urban Data (INFO 5430) 2022 Stanford, Big Data Methods for Behavioral, Social, and Population Health Research (EPI 270) 2022 OECD-ODISSEI Webinar on Open Data Infrastructure 2021 Data Science Connect Conference 2021 PartCheck Global Health Innovators Seminar 2021 Stanford Social Data Research Podcast 2021 PartCheck Global Health Innovators Seminar 2021 Stanford Social Data Research Podcast 2021 PartCheck Global Health Innovators Seminar 2021 Stanford Social Data Research Podcast 2021 PartCheck Global Health Innovators Seminar 2021 Stanford Social Data Research Podcast 2021 PartCheck Global Health Innovators Seminar 2020 Columbia, NLP Seminar 2020 Columbia, NLP Seminar 2020 Columbia, NLP Seminar 2020			
Microsoft Research NYC, Computational Social Science Columbia Business School, Decision, Risk, and Operations Division Cornell, Departments of Computer Science & Information Science Johns Hopkins, Department of Computer Science MIT, Department of Political Science & Schwarzman College of Computing MIT, Department of Political Science & Schwarzman College of Computing NYU Stern School of Business, Department of Technology, Operations, and Statistics Learning on Graphs Conference, Stanford Meetup Northeastern, Network Science Institute Seminar Cornell Tech, Applied Data Science: Decision-Making Beyond Prediction (ORIE 5355) Stanford, Graph Learning Workshop Columbia, Analysis of Networks and Crowds (COMS 6998) Columbia, Analysis of Networks and Crowds (COMS 6998) Cornell Tech, Data Science for Social Change (CS 6382) NSF Predictive Intelligence for Pandemic Prevention (PIPP), PandEval Research Team NSF Predictive Intelligence for Pandemic Prevention (PIPP), PandEval Research Team Stanford, Algorithmic Fairness Seminar Stanford, Networks (MS&E 135) Meta, Computational Social Science Seminar Stanford, Networks (MS&E 135) Meta, Computational Social Science Seminar Stanford, Introduction to Computational Social Science (MS&E 231) Stanford, Introduction to Computational Social Science (MS&E 231) Stanford, Big Data Methods for Behavioral, Social, and Population Health Research (EPI 270) Data Science Connect Conference March for Science Podcast PathCheck Global Health Innovators Seminar Stanford, Networks (MS&E 135) Diaries of Social Data Research Podcast Stanford, Networks (MS&E 135) Diaries of Social Data Research Podcast Stanford, Social Science Spotlight Series Columbia, NLP Seminar Science Spotlight Series Columbia, NLP Seminar Science Spotlight Series Columbia, NLP Seminar Science Spotlight Reries Columbia, NLP Seminar Science Spotlight Reries Columbia, NLP Seminar			
Columbia Business School, Decision, Risk, and Operations Division 2024 Cornell, Departments of Computer Science & Information Science 2023 Johns Hopkins, Department of Computer Science 2023 MIT, Department of Political Science & Schwarzman College of Computing 2023 NYU Stern School of Business, Department of Technology, Operations, and Statistics 2023 Learning on Graphs Conference, Stanford Meetup 2023 Northeastern, Network Science Institute Seminar 2023 Cornell Tech, Applied Data Science: Decision-Making Beyond Prediction (ORIE 5355) 2023 Stanford, Graph Learning Workshop 2023 Columbia, Analysis of Networks and Crowds (COMS 6998) 2023 Cornell Tech, Data Science for Social Change (CS 6382) 2023 NSF Predictive Intelligence for Pandemic Prevention (PIPP), PandEval Research Team 2023 NIH National COVID Cohort Collaborative (N3C), Machine Learning Seminar 2023 Stanford, Algorithmic Fairness Seminar 2023 Stanford, Networks (MS&E 135) 2023 Meta, Computational Social Science Seminar 2023 Stanford, Introduction to Computational Social Science (MS&E 231) 2022 Stanford, Fundamental Concepts in MS&E (MS&E 302) 2022 Cornell Tech, Urban Data (INFO 5430) 2022 Cornell Tech, Urban Data (INFO 5430) 2022 Stanford, Big Data Methods for Behavioral, Social, and Population Health Research (EPI 270) 2022 OECD-ODISSEI Webinar on Open Data Infrastructure 2021 Data Science Connect Conference 2021 Path Check Global Health Innovators Seminar 2021 Stanford, Networks (MS&E 135) 2021 Stanford, Networks (MS&E 135) 2021 Stanford San Diego Alumni Club, Speaker Event 2021 Path Check Global Health Innovators Seminar 2020 Global Pervasive Computational Epidemiology Seminar 2020 Columbia, N.P. Seminar 2020 Columbia, N.P. Seminar 2020			
Cornell, Departments of Computer Science & Information Science 2023 Johns Hopkins, Department of Computer Science 2023 MIT, Department of Political Science & Schwarzman College of Computing 2023 NYU Stern School of Business, Department of Technology, Operations, and Statistics 2023 Learning on Graphs Conference, Stanford Meetup 2023 Northeastern, Network Science Institute Seminar 2023 Cornell Tech, Applied Data Science: Decision-Making Beyond Prediction (ORIE 5355) 2023 Stanford, Graph Learning Workshop 2023 Columbia, Analysis of Networks and Crowds (COMS 6998) 2023 Cornell Tech, Data Science for Social Change (CS 6382) 2023 NSF Predictive Intelligence for Pandemic Prevention (PIPP), PandEval Research Team 2023 NIH National COVID Cohort Collaborative (N3C), Machine Learning Seminar 2023 Stanford, Algorithmic Fairness Seminar 2023 Stanford, Networks (MS&E 135) 2023 Meta, Computational Social Science Seminar 2023 Stanford, Introduction to Computational Social Science (MS&E 231) 2022 Cornell Tech, Urban Data (INFO 5430) 2022 Cornell Tech, Urban Data (INFO 5430) 2022 Stanford, Big Data Methods for Behavioral, Social, and Population Health Research (EPI 270) 2022 OECD-ODISSEI Webinar on Open Data Infrastructure 2021 March for Science Connect Conference 2021 March for Science Podcast 2021 Stanford, Networks (MS&E 135) 2021 Stanford, Networks (MS&E 135) 2021 Stanford San Diego Alumni Club, Speaker Event 2021 NeurIPS, COVID-19 Symposium 2020 AI Science Spotlight Series 2020 Global Pervasive Computational Epidemiology Seminar 2020 Flacekey Community Seminar 2020 Stanford, Stats ML Retreat 2020 Stanford, Stats ML Retreat 2020 Columbia, N.P. Seminar 2020			
Johns Hopkins, Department of Computer Science MIT, Department of Political Science & Schwarzman College of Computing 2023 NYU Stern School of Business, Department of Technology, Operations, and Statistics 2023 Learning on Graphs Conference, Stanford Meetup 2023 Northeastern, Network Science Institute Seminar 2023 Cornell Tech, Applied Data Science: Decision-Making Beyond Prediction (ORIE 5355) 2023 Stanford, Graph Learning Workshop 2023 Columbia, Analysis of Networks and Crowds (COMS 6998) 2023 Cornell Tech, Data Science for Social Change (CS 6382) 2023 NSF Predictive Intelligence for Pandemic Prevention (PIPP), PandEval Research Team 2023 NIH National COVID Cohort Collaborative (N3C), Machine Learning Seminar 2023 Stanford, Algorithmic Fairness Seminar 2023 Stanford, Networks (MS&E 135) 2023 Meta, Computational Social Science Seminar 2023 Stanford, Introduction to Computational Social Science (MS&E 231) 2022 Stanford, Fundamental Concepts in MS&E (MS&E 302) 2022 Cornell Tech, Urban Data (INFO 5430) 2022 Stanford, Big Data Methods for Behavioral, Social, and Population Health Research (EPI 270) 2022 OECD-ODISSEI Webinar on Open Data Infrastructure 2021 Data Science Connect Conference 2021 March for Science Podcast 2021 PathCheck Global Health Innovators Seminar 2021 Stanford Social Data Research Podcast 2021 Stanford Social Research Podcast 2020 Global Pervasive Computational Epidemiology Seminar 2020 AI Science Spotlight Series 2020 Global Pervasive Computational Epidemiology Seminar 2020 The Octavian Report Podcast 2020 Placekey Community Seminar 2020 Stanford, Stats ML. Retreat 2020 Columbia, NLP Seminar 2020			
MIT, Department of Political Science & Schwarzman College of Computing NYU Stern School of Business, Department of Technology, Operations, and Statistics Learning on Graphs Conference, Stanford Meetup Northeastern, Network Science Institute Seminar Cornell Tech, Applied Data Science: Decision-Making Beyond Prediction (ORIE 5355) 2023 Stanford, Graph Learning Workshop Columbia, Analysis of Networks and Crowds (COMS 6998) 2023 Cornell Tech, Data Science for Social Change (CS 6382) NSF Predictive Intelligence for Pandemic Prevention (PIPP), PandEval Research Team NIH National COVID Cohort Collaborative (N3C), Machine Learning Seminar 2023 Stanford, Algorithmic Fairness Seminar 2023 Stanford, Networks (MS&E 135) 2023 Meta, Computational Social Science Seminar 2023 Stanford, Introduction to Computational Social Science (MS&E 231) 2022 Stanford, Fundamental Concepts in MS&E (MS&E 302) 2022 Cornell Tech, Urban Data (INFO 5430) 2022 Stanford, Big Data Methods for Behavioral, Social, and Population Health Research (EPI 270) 2022 OECD-ODISSEI Webinar on Open Data Infrastructure 2021 Data Science Connect Conference 2021 March for Science Podcast 2021 PathCheck Global Health Innovators Seminar 2021 Stanford Social Data Research Podcast 2021 NeurIPS, COVID-19 Symposium 2020 AI Science Spotlight Series 2020 Global Pervasive Computational Epidemiology Seminar 2020 The Octavian Report Podcast Placekey Community Seminar 2020 Stanford, Stats ML. Retreat 2020 Columbia, NLP Seminar 2020 Columbia, NLP Seminar			
NYU Stern School of Business, Department of Technology, Operations, and Statistics Learning on Graphs Conference, Stanford Meetup Northeastern, Network Science Institute Seminar Cornell Tech, Applied Data Science: Decision-Making Beyond Prediction (ORIE 5355) 2023 Stanford, Graph Learning Workshop 2023 Columbia, Analysis of Networks and Crowds (COMS 6998) 2023 Cornell Tech, Data Science for Social Change (CS 6382) 2023 NSF Predictive Intelligence for Pandemic Prevention (PIPP), PandEval Research Team 2023 NIH National COVID Cohort Collaborative (N3C), Machine Learning Seminar 2023 Stanford, Algorithmic Fairness Seminar 2023 Stanford, Networks (MS&E 135) 2023 Meta, Computational Social Science Seminar 2023 Stanford, Introduction to Computational Social Science (MS&E 231) 2022 Stanford, Fundamental Concepts in MS&E (MS&E 302) 2022 Cornell Tech, Urban Data (INFO 5430) 2022 Stanford, Big Data Methods for Behavioral, Social, and Population Health Research (EPI 270) 2022 OECD-ODISSEI Webinar on Open Data Infrastructure 2021 Data Science Connect Conference 2021 March for Science Podcast 2021 PathCheck Global Health Innovators Seminar 2021 Stanford San Diego Alumni Club, Speaker Event 2021 NeurIPS, COVID-19 Symposium 2020 Al Science Spotlight Series 2020 Global Pervasive Computational Epidemiology Seminar 2020 The Octavian Report Podcast 2020 Placekey Community Seminar 2020 Stanford, Stats ML Retreat 2020 Columbia, NLP Seminar 2020 Columbia, NLP Seminar			
Learning on Graphs Conference, Stanford Meetup Northeastern, Network Science Institute Seminar Cornell Tech, Applied Data Science: Decision-Making Beyond Prediction (ORIE 5355) Stanford, Graph Learning Workshop Columbia, Analysis of Networks and Crowds (COMS 6998) Columbia, Analysis of Networks and Crowds (COMS 6998) Cornell Tech, Data Science for Social Change (CS 6382) NSF Predictive Intelligence for Pandemic Prevention (PIPP), PandEval Research Team NIH National COVID Cohort Collaborative (N3C), Machine Learning Seminar 2023 Stanford, Algorithmic Fairness Seminar Stanford, Networks (MS&E 135) Meta, Computational Social Science Seminar Stanford, Introduction to Computational Social Science (MS&E 231) 2022 Stanford, Fundamental Concepts in MS&E (MS&E 302) Cornell Tech, Urban Data (INFO 5430) 2022 Cornell Tech, Urban Data (INFO 5430) 2022 Stanford, Big Data Methods for Behavioral, Social, and Population Health Research (EPI 270) 2022 OECD-ODISSEI Webinar on Open Data Infrastructure 2021 Data Science Connect Conference 2021 March for Science Podcast 2021 PathCheck Global Health Innovators Seminar 2021 Stanford, Networks (MS&E 135) 2021 Diaries of Social Data Research Podcast 2021 Stanford San Diego Alumni Club, Speaker Event 2021 NeurIPS, COVID-19 Symposium 2020 AI Science Spotlight Series 2020 Global Pervasive Computational Epidemiology Seminar 2020 The Octavian Report Podcast 2020 Global Pervasive Computational Epidemiology Seminar 2020 The Octavian Report Podcast 2020 Stanford, Stats ML Retreat 2020 Columbia, NLP Seminar 2020 Columbia, NLP Seminar			
Northeastern, Network Science Institute Seminar Cornell Tech, Applied Data Science: Decision-Making Beyond Prediction (ORIE 5355) 2023 Stanford, Graph Learning Workshop 2023 Columbia, Analysis of Networks and Crowds (COMS 6998) 2023 NSF Predictive Intelligence for Social Change (CS 6382) NSF Predictive Intelligence for Pandemic Prevention (PIPP), PandEval Research Team 2023 NIH National COVID Cohort Collaborative (N3C), Machine Learning Seminar 2023 Stanford, Algorithmic Fairness Seminar 2023 Stanford, Networks (MS&E 135) 2023 Meta, Computational Social Science Seminar 2023 Stanford, Introduction to Computational Social Science (MS&E 231) 2022 Stanford, Fundamental Concepts in MS&E (MS&E 302) 2022 Cornell Tech, Urban Data (INFO 5430) 2022 Stanford, Big Data Methods for Behavioral, Social, and Population Health Research (EPI 270) 2022 OECD-ODISSEI Webinar on Open Data Infrastructure 2021 Data Science Connect Conference 2021 March for Science Podcast 2021 PathCheck Global Health Innovators Seminar 2021 Stanford, Networks (MS&E 135) 2021 Stanford San Diego Alumni Club, Speaker Event 2021 NeurlPS, COVID-19 Symposium 2020 AI Science Spotlight Series 2020 Global Pervasive Computational Epidemiology Seminar 2020 The Octavian Report Podcast 2020 Placekey Community Seminar 2020 Stanford, Stats ML Retreat 2020 Columbia, NLP Seminar 2020 Columbia, NLP Seminar			
Cornell Tech, Applied Data Science: Decision-Making Beyond Prediction (ORIE 5355) Stanford, Graph Learning Workshop Columbia, Analysis of Networks and Crowds (COMS 6998) Cornell Tech, Data Science for Social Change (CS 6382) NSF Predictive Intelligence for Pandemic Prevention (PIPP), PandEval Research Team NIH National COVID Cohort Collaborative (N3C), Machine Learning Seminar 2023 Stanford, Algorithmic Fairness Seminar 2023 Stanford, Networks (MS&E 135) Meta, Computational Social Science Seminar 2023 Stanford, Introduction to Computational Social Science (MS&E 231) 2022 Stanford, Fundamental Concepts in MS&E (MS&E 302) 2022 Cornell Tech, Urban Data (INFO 5430) 2022 Stanford, Big Data Methods for Behavioral, Social, and Population Health Research (EPI 270) 2022 OECD-ODISSEI Webinar on Open Data Infrastructure 2021 Data Science Connect Conference 2021 March for Science Podcast 2021 PathCheck Global Health Innovators Seminar 2021 Stanford, Networks (MS&E 135) 2021 Stanford, Networks (MS&E 135) 2021 Stanford San Diego Alumni Club, Speaker Event 2021 NeurlPS, COVID-19 Symposium 2020 AI Science Spotlight Series 2020 Global Pervasive Computational Epidemiology Seminar 1020 The Octavian Report Podcast 2020 Placekey Community Seminar 2020 Stanford, Stats ML Retreat 2020 Columbia, NLP Seminar 2020 Columbia, NLP Seminar			
Stanford, Graph Learning Workshop Columbia, Analysis of Networks and Crowds (COMS 6998) Cornell Tech, Data Science for Social Change (CS 6382) NSF Predictive Intelligence for Pandemic Prevention (PIPP), PandEval Research Team 2023 NIH National COVID Cohort Collaborative (N3C), Machine Learning Seminar 2023 Stanford, Algorithmic Fairness Seminar 2023 Stanford, Networks (MS&E 135) Meta, Computational Social Science Seminar 2023 Stanford, Introduction to Computational Social Science (MS&E 231) 2022 Stanford, Fundamental Concepts in MS&E (MS&E 302) 2022 Cornell Tech, Urban Data (INFO 5430) 2022 Stanford, Big Data Methods for Behavioral, Social, and Population Health Research (EPI 270) 2022 OECD-ODISSEI Webinar on Open Data Infrastructure 2021 Data Science Connect Conference 2021 March for Science Podcast 2021 PathCheck Global Health Innovators Seminar 2021 Stanford, Networks (MS&E 135) 2021 Stanford, Networks (MS&E 135) 2021 Stanford San Diego Alumni Club, Speaker Event 2021 NeurIPS, COVID-19 Symposium 2020 AI Science Spotlight Series 2020 Global Pervasive Computational Epidemiology Seminar 2020 The Octavian Report Podcast 2020 Placekey Community Seminar 2020 Stanford, Stats ML Retreat 2020 Columbia, NLP Seminar 2020 Columbia, NLP Seminar			
Columbia, Analysis of Networks and Crowds (COMS 6998)  Cornell Tech, Data Science for Social Change (CS 6382)  NSF Predictive Intelligence for Pandemic Prevention (PIPP), PandEval Research Team  NIH National COVID Cohort Collaborative (N3C), Machine Learning Seminar  2023  Stanford, Algorithmic Fairness Seminar  2023  Stanford, Networks (MS&E 135)  Meta, Computational Social Science Seminar  2023  Stanford, Introduction to Computational Social Science (MS&E 231)  2022  Stanford, Fundamental Concepts in MS&E (MS&E 302)  Cornell Tech, Urban Data (INFO 5430)  2022  Stanford, Big Data Methods for Behavioral, Social, and Population Health Research (EPI 270)  2022  Stanford, Big Data Methods for Behavioral, Social, and Population Health Research (EPI 270)  2022  OECD-ODISSEI Webinar on Open Data Infrastructure  2021  Data Science Connect Conference  2021  March for Science Podcast  Arch for Science Podcast  2021  PathCheck Global Health Innovators Seminar  2021  Stanford, Networks (MS&E 135)  2021  Diaries of Social Data Research Podcast  2021  Stanford San Diego Alumni Club, Speaker Event  NeurIPS, COVID-19 Symposium  2020  AI Science Spotlight Series  2020  Global Pervasive Computational Epidemiology Seminar  2020  The Octavian Report Podcast  2020  Placekey Community Seminar  2020  Stanford, Stats ML Retreat  2020  Columbia, NLP Seminar  2020  Columbia, NLP Seminar			
Cornell Tech, Data Science for Social Change (CS 6382)  NSF Predictive Intelligence for Pandemic Prevention (PIPP), PandEval Research Team  NSF Predictive Intelligence for Pandemic Prevention (PIPP), PandEval Research Team  NIH National COVID Cohort Collaborative (N3C), Machine Learning Seminar  2023  Stanford, Algorithmic Fairness Seminar  2023  Stanford, Networks (MS&E 135)  Meta, Computational Social Science Seminar  2023  Stanford, Introduction to Computational Social Science (MS&E 231)  2022  Stanford, Fundamental Concepts in MS&E (MS&E 302)  2022  Cornell Tech, Urban Data (INFO 5430)  2022  Stanford, Big Data Methods for Behavioral, Social, and Population Health Research (EPI 270)  2022  Stanford Big Data Methods for Behavioral, Social, and Population Health Research (EPI 270)  2021  Data Science Connect Conference  2021  March for Science Podcast  2021  PathCheck Global Health Innovators Seminar  2021  Stanford, Networks (MS&E 135)  2021  Diaries of Social Data Research Podcast  2021  Stanford San Diego Alumni Club, Speaker Event  NeurIPS, COVID-19 Symposium  2020  AI Science Spotlight Series  2020  Global Pervasive Computational Epidemiology Seminar  2020  The Octavian Report Podcast  2020  Placekey Community Seminar  2020  Clumbia, NLP Seminar  2020  Columbia, NLP Seminar			
NSF Predictive Intelligence for Pandemic Prevention (PIPP), PandEval Research Team NIH National COVID Cohort Collaborative (N3C), Machine Learning Seminar Stanford, Algorithmic Fairness Seminar Stanford, Networks (MS&E 135) Meta, Computational Social Science Seminar Stanford, Introduction to Computational Social Science (MS&E 231) Stanford, Fundamental Concepts in MS&E (MS&E 302) Cornell Tech, Urban Data (INFO 5430) Stanford, Big Data Methods for Behavioral, Social, and Population Health Research (EPI 270) Data Science Connect Conference Data Science Connect Conference Stanford, Networks (MS&E 135) Stanford, Networks (MS&E 135) Stanford, Networks (MS&E 135) Stanford, Networks (MS&E 135) Stanford San Diego Alumni Club, Speaker Event NeurIPS, COVID-19 Symposium Stanford San Diego Alumni Club, Speaker Event NeurIPS, COVID-19 Symposium Science Spotlight Series Science Community Seminar Science Community Seminar Science Stanford, Stats ML Retreat Stanford, Stats ML Retreat Scolumbia, NLP Seminar			
NIH National COVID Cohort Collaborative (N3C), Machine Learning Seminar Stanford, Algorithmic Fairness Seminar Stanford, Networks (MS&E 135) Meta, Computational Social Science Seminar Stanford, Introduction to Computational Social Science (MS&E 231) Stanford, Introduction to Computational Social Science (MS&E 231) Stanford, Fundamental Concepts in MS&E (MS&E 302) Cornell Tech, Urban Data (INFO 5430) 2022 Stanford, Big Data Methods for Behavioral, Social, and Population Health Research (EPI 270) 2022 OECD-ODISSEI Webinar on Open Data Infrastructure 2021 Data Science Connect Conference 2021 March for Science Podcast 2021 PathCheck Global Health Innovators Seminar 2021 Stanford, Networks (MS&E 135) 2021 Stanford, Networks (MS&E 135) 2021 Stanford San Diego Alumni Club, Speaker Event 2021 NeurIPS, COVID-19 Symposium 2020 AI Science Spotlight Series 2020 Global Pervasive Computational Epidemiology Seminar 2020 The Octavian Report Podcast 2020 Placekey Community Seminar 2020 Stanford, Stats ML Retreat 2020 Columbia, NLP Seminar 2020			
Stanford, Algorithmic Fairness Seminar Stanford, Networks (MS&E 135) Meta, Computational Social Science Seminar 2023 Stanford, Introduction to Computational Social Science (MS&E 231) Stanford, Fundamental Concepts in MS&E (MS&E 302) Cornell Tech, Urban Data (INFO 5430) 2022 Stanford, Big Data Methods for Behavioral, Social, and Population Health Research (EPI 270) 2022 OECD-ODISSEI Webinar on Open Data Infrastructure 2021 Data Science Connect Conference 2021 March for Science Podcast 2021 PathCheck Global Health Innovators Seminar 2021 Stanford, Networks (MS&E 135) 2021 Diaries of Social Data Research Podcast 2021 Stanford San Diego Alumni Club, Speaker Event 2021 NeurIPS, COVID-19 Symposium 2020 AI Science Spotlight Series 2020 Global Pervasive Computational Epidemiology Seminar 2020 The Octavian Report Podcast 2020 Placekey Community Seminar 2020 Stanford, Stats ML Retreat 2020 Columbia, NLP Seminar			
Stanford, Neworks (MS&E 135)  Meta, Computational Social Science Seminar  Stanford, Introduction to Computational Social Science (MS&E 231)  Stanford, Fundamental Concepts in MS&E (MS&E 302)  Cornell Tech, Urban Data (INFO 5430)  Stanford, Big Data Methods for Behavioral, Social, and Population Health Research (EPI 270)  OECD-ODISSEI Webinar on Open Data Infrastructure  OECD-ODISSEI Webinar on Open Data Infrastructure  Data Science Connect Conference  2021  March for Science Podcast  PathCheck Global Health Innovators Seminar  2021  Stanford, Networks (MS&E 135)  Diaries of Social Data Research Podcast  Stanford San Diego Alumni Club, Speaker Event  NeurIPS, COVID-19 Symposium  2020  AI Science Spotlight Series  Global Pervasive Computational Epidemiology Seminar  1020  The Octavian Report Podcast  Placekey Community Seminar  2020  Stanford, Stats ML Retreat  2020  Columbia, NLP Seminar			
Meta, Computational Social Science Seminar2023Stanford, Introduction to Computational Social Science (MS&E 231)2022Stanford, Fundamental Concepts in MS&E (MS&E 302)2022Cornell Tech, Urban Data (INFO 5430)2022Stanford, Big Data Methods for Behavioral, Social, and Population Health Research (EPI 270)2022OECD-ODISSEI Webinar on Open Data Infrastructure2021Data Science Connect Conference2021March for Science Podcast2021PathCheck Global Health Innovators Seminar2021Stanford, Networks (MS&E 135)2021Diaries of Social Data Research Podcast2021Stanford San Diego Alumni Club, Speaker Event2021NeurIPS, COVID-19 Symposium2020AI Science Spotlight Series2020Global Pervasive Computational Epidemiology Seminar2020The Octavian Report Podcast2020Placekey Community Seminar2020Stanford, Stats ML Retreat2020Columbia, NLP Seminar2020		· · · · · · · · · · · · · · · · · · ·	
Stanford, Introduction to Computational Social Science (MS&E 231)  Stanford, Fundamental Concepts in MS&E (MS&E 302)  Cornell Tech, Urban Data (INFO 5430)  Stanford, Big Data Methods for Behavioral, Social, and Population Health Research (EPI 270)  OECD-ODISSEI Webinar on Open Data Infrastructure  OECD-ODISSEI Webinar on Open Data Infrastructure  Data Science Connect Conference  March for Science Podcast  PathCheck Global Health Innovators Seminar  2021  PathCheck Global Health Innovators Seminar  2021  Stanford, Networks (MS&E 135)  Diaries of Social Data Research Podcast  Stanford San Diego Alumni Club, Speaker Event  NeurIPS, COVID-19 Symposium  AI Science Spotlight Series  Global Pervasive Computational Epidemiology Seminar  2020  The Octavian Report Podcast  Placekey Community Seminar  2020  Stanford, Stats ML Retreat  Columbia, NLP Seminar		· · · · · · · · · · · · · · · · · · ·	
Stanford, Fundamental Concepts in MS&E (MS&E 302) Cornell Tech, Urban Data (INFO 5430) Stanford, Big Data Methods for Behavioral, Social, and Population Health Research (EPI 270) OECD-ODISSEI Webinar on Open Data Infrastructure 2021 Data Science Connect Conference March for Science Podcast PathCheck Global Health Innovators Seminar 2021 Stanford, Networks (MS&E 135) Diaries of Social Data Research Podcast Stanford San Diego Alumni Club, Speaker Event NeurIPS, COVID-19 Symposium AI Science Spotlight Series Global Pervasive Computational Epidemiology Seminar 2020 Global Pervasive Computational Epidemiology Seminar 2020 Placekey Community Seminar 2020 Stanford, Stats ML Retreat 2020 Columbia, NLP Seminar 2020		*	
Cornell Tech, Urban Data (INFO 5430) Stanford, Big Data Methods for Behavioral, Social, and Population Health Research (EPI 270) OECD-ODISSEI Webinar on Open Data Infrastructure 2021 Data Science Connect Conference 2021 March for Science Podcast PathCheck Global Health Innovators Seminar 2021 Stanford, Networks (MS&E 135) Diaries of Social Data Research Podcast 2021 Stanford San Diego Alumni Club, Speaker Event 2021 NeurIPS, COVID-19 Symposium 2020 AI Science Spotlight Series 2020 Global Pervasive Computational Epidemiology Seminar 2020 The Octavian Report Podcast Placekey Community Seminar 2020 Stanford, Stats ML Retreat 2020 Columbia, NLP Seminar 2021		<u> </u>	2022
Stanford, Big Data Methods for Behavioral, Social, and Population Health Research (EPI 270) OECD-ODISSEI Webinar on Open Data Infrastructure 2021 Data Science Connect Conference 2021 March for Science Podcast 2021 PathCheck Global Health Innovators Seminar 2021 Stanford, Networks (MS&E 135) 2021 Diaries of Social Data Research Podcast 2021 Stanford San Diego Alumni Club, Speaker Event 2021 NeurIPS, COVID-19 Symposium 2020 AI Science Spotlight Series 2020 Global Pervasive Computational Epidemiology Seminar 2020 The Octavian Report Podcast 2020 Placekey Community Seminar 2020 Stanford, Stats ML Retreat 2020 Columbia, NLP Seminar			2022
Data Science Connect Conference 2021 March for Science Podcast 2021 PathCheck Global Health Innovators Seminar 2021 Stanford, Networks (MS&E 135) 2021 Diaries of Social Data Research Podcast 2021 Stanford San Diego Alumni Club, Speaker Event 2021 NeurIPS, COVID-19 Symposium 2020 AI Science Spotlight Series 2020 Global Pervasive Computational Epidemiology Seminar 2020 The Octavian Report Podcast 2020 Placekey Community Seminar 2020 Stanford, Stats ML Retreat 2020 Columbia, NLP Seminar 2019			2022
March for Science Podcast2021PathCheck Global Health Innovators Seminar2021Stanford, Networks (MS&E 135)2021Diaries of Social Data Research Podcast2021Stanford San Diego Alumni Club, Speaker Event2021NeurIPS, COVID-19 Symposium2020AI Science Spotlight Series2020Global Pervasive Computational Epidemiology Seminar2020The Octavian Report Podcast2020Placekey Community Seminar2020Stanford, Stats ML Retreat2020Columbia, NLP Seminar2019		OECD-ODISSEI Webinar on Open Data Infrastructure	2021
PathCheck Global Health Innovators Seminar2021Stanford, Networks (MS&E 135)2021Diaries of Social Data Research Podcast2021Stanford San Diego Alumni Club, Speaker Event2021NeurIPS, COVID-19 Symposium2020AI Science Spotlight Series2020Global Pervasive Computational Epidemiology Seminar2020The Octavian Report Podcast2020Placekey Community Seminar2020Stanford, Stats ML Retreat2020Columbia, NLP Seminar2020		Data Science Connect Conference	2021
Stanford, Networks (MS&E 135)2021Diaries of Social Data Research Podcast2021Stanford San Diego Alumni Club, Speaker Event2021NeurIPS, COVID-19 Symposium2020AI Science Spotlight Series2020Global Pervasive Computational Epidemiology Seminar2020The Octavian Report Podcast2020Placekey Community Seminar2020Stanford, Stats ML Retreat2020Columbia, NLP Seminar2019		March for Science Podcast	2021
Diaries of Social Data Research Podcast2021Stanford San Diego Alumni Club, Speaker Event2021NeurIPS, COVID-19 Symposium2020AI Science Spotlight Series2020Global Pervasive Computational Epidemiology Seminar2020The Octavian Report Podcast2020Placekey Community Seminar2020Stanford, Stats ML Retreat2020Columbia, NLP Seminar2019		PathCheck Global Health Innovators Seminar	2021
Stanford San Diego Alumni Club, Speaker Event2021NeurIPS, COVID-19 Symposium2020AI Science Spotlight Series2020Global Pervasive Computational Epidemiology Seminar2020The Octavian Report Podcast2020Placekey Community Seminar2020Stanford, Stats ML Retreat2020Columbia, NLP Seminar2019		Stanford, Networks (MS&E 135)	2021
NeurIPS, COVID-19 Symposium2020AI Science Spotlight Series2020Global Pervasive Computational Epidemiology Seminar2020The Octavian Report Podcast2020Placekey Community Seminar2020Stanford, Stats ML Retreat2020Columbia, NLP Seminar2019		Diaries of Social Data Research Podcast	2021
AI Science Spotlight Series 2020 Global Pervasive Computational Epidemiology Seminar 2020 The Octavian Report Podcast 2020 Placekey Community Seminar 2020 Stanford, Stats ML Retreat 2020 Columbia, NLP Seminar 2019		Stanford San Diego Alumni Club, Speaker Event	2021
Global Pervasive Computational Epidemiology Seminar 2020 The Octavian Report Podcast 2020 Placekey Community Seminar 2020 Stanford, Stats ML Retreat 2020 Columbia, NLP Seminar 2019		NeurIPS, COVID-19 Symposium	2020
The Octavian Report Podcast 2020 Placekey Community Seminar 2020 Stanford, Stats ML Retreat 2020 Columbia, NLP Seminar 2019			2020
Placekey Community Seminar 2020 Stanford, Stats ML Retreat 2020 Columbia, NLP Seminar 2019			
Stanford, Stats ML Retreat 2020 Columbia, NLP Seminar 2019		<u>*</u>	
Columbia, NLP Seminar 2019			
Columbia, Emerging Scholars Program (COMS 1404) 2018			
		Columbia, Emerging Scholars Program (COMS 1404)	2018

#### WORK EXPERIENCE

### AI Advisor, United Nations Development Programme (UNDP)

2024-present

Served as AI Advisor on "Project Vision: AI Unveils Tomorrow", which seeks to use AI to analyze how countries are responding
to impending risks (e.g., climate change, pandemics, democratic backsliding) and adapting their development strategies

# Research Intern, Microsoft Research

2022-2024

 Developed graph machine learning methods to detect user intents from search logs and derive insights for public health. See Chang, Fourney, and Horvitz, "Measuring vaccination coverage and concerns of vaccine holdouts from web search logs", *Nature Communications* (2024).

#### Software Engineering Intern, Google, Geo Assistant

2018

- Built a new, user-facing feature for Google Search and Assistant
- Implemented backend to parse queries in Search, worked with UX designer and PM to create frontend

# Engineering Practicum Intern, Google, Search Site Reliability Engineering (SRE)

2017

■ Improved internal tools for monitoring and tracking requests to Google Now

#### **GRANTS**

NSF Incorporating Human Behavior in Epidemiological Models (IHBEM)

2023

Data-driven multimodal methods for behavior-based epidemiological modeling

Total funded amount: \$850,000

As a PhD student, I initiated the grant proposal, shaped the research vision, secured a letter of collaboration from Microsoft (from Dr. Eric Horvitz), and helped to write the proposal.

#### **TEACHING**

**Head course assistant (CA),** Stanford University, Machine Learning with Graphs (CS224W)

- Managed team of 9 CAs and class of around 300 students; oversaw lecture slides, assignments, exams, and final projects
- Course material covers the foundations and state-of-the-art of machine learning with graphs, including representation learning, graph neural networks, reasoning over knowledge graphs, and algorithms for large-scale networks

## **Instructor**, Girls Who Code, Summer Immersion Program

2019

2021

- Served as the primary teacher for a classroom of 20 high school girls
- Taught a 7-week curriculum including Python, HTML, CSS, JavaScript, and Arduino

## **Instructional assistant**, Columbia University, Data Structures in Java (COMS 3134)

2017

 $\,\blacksquare\,$  Led discussion sections, held weekly office hours, and graded assignments and exams

**Peer tutor**, Columbia University, Computer Science Theory (COMS 3261)

2017

#### MENTORSHIP Mentor, International Conference for Computational Social Science (IC<sup>2</sup>S<sup>2</sup>)

2024

Mentor, Stanford Computer Science, CURIS (undergraduate summer research)

2023 2023

Mentor, Machine Learning for Health (ML4H), Career Mentorship Program

2022

**Mentor**, Stanford Computer Science, Undergraduate Mentoring Program **Mentor**, Stanford Engineering, Summer Undergraduate Research Fellowship

2021

**Research mentees** (during PhD): Maya Josifovska, Zhiyin Lin, Daisuke Masuda, Emma Wang, Benjamin Yan (undergraduates); Damir Vrabac (master's); Alicja Chaszczewicz, Jordan Troutman (PhD)

# SERVICE Organization

Co-Organizer, NeurIPS Workshop on Behavioral Machine Learning	2024
Co-Organizer, KDD Workshop on Epidemiology meets Data Mining and Knowledge discovery	2024
Program Chair, Machine Learning for Health (ML4H)	2023
Co-Organizer, KDD Workshop on Data Science for Social Good	2023

Panel Moderator, KDD Equity, Diversity & Inclusion (EDI) Day Faculty Search Committee, Stanford Data Science and School of Engineering

Organizer, NYC Digital Humanities Week, Using Computation to Analyze Gender in Film

2023 2023

2019

2022

# Journal reviewer

The New England Journal of Medicine AI (NEJM AI)	2024
Proceedings of the National Academy of Sciences	2024
Science Advances	2023

Nature Human Behaviour
American Journal of Sociology
ACM Transactions on Spatial Algorithms and Systems

2021 2021

ACM Transactions on Spatial Algorithms and Systems npj Urban Sustainability

2021

# **Conference reviewer**

AAAI	2025
International Conference on Computational Social Science (IC <sup>2</sup> S <sup>2</sup> )	2024
KDD, epiDAMIK Workshop	2024
AAAI	2024
EMLNP	2024
Machine Learning for Health	2023
ACL Rolling Review	2023
ICWSM	2023
KDD, epiDAMIK Workshop	2023
KDD, Data Science for Social Good Workshop	2023
ACL Rolling Review	2022
Machine Learning for Health	2022
ACL, NLP for Positive Impact Workshop	2022
KDD, epiDAMIK Workshop	2022
ACL-IJCNLP	2021
Machine Learning for Health	2021
ACL, NLP for Positive Impact Workshop	2021
ICLR, AI for Public Health Workshop	2021