

EDUCATION	Cornell Tech New York, NY 2024 - 2028
	<i>PhD in Operations Research and Information Engineering</i> GPA: 3.9 <i>(expected)</i>
	• Areas: AI, Causal Discovery, Causal Inference
	Cornell University Ithaca, NY 2023 - 2024
	<i>PhD in Operations Research and Information Engineering</i>
	California Institute of Technology Pasadena, CA 2019 - 2023
	<i>BS in Applied and Computational Mathematics</i> GPA: 4.0
	• Areas: ML, Mathematical Modelling, Data Analysis
PUBLICATIONS AND PREPRINTS	1. Hiremath, S, et al. Hybrid Top-Down Global Causal Discovery with Local Search for Linear and Nonlinear Additive Noise Models. <i>Thirty-Eighth Annual Conference on Neural Information Processing Systems</i> , 2024.
	2. Hiremath, S, et al. LoSAM: Local Search in Additive Noise Models with Unmeasured Confounders, a Top-Down Global Discovery Approach. 2024. (Under Review)
FELLOWSHIPS AND AWARDS	• Cornell Fellowship (\$16, 247), Cornell University 09.2023
	• Summer Undergraduate Research Fellowship (\$7, 740), Caltech 04.2021
	• Summer Undergraduate Research Fellowship (\$7, 740), Caltech 04.2020
	• Thomas J. Watson Fellowship Scholar (\$6, 000), IBM 2019-22
	• National Merit Scholar (\$2, 500), NMSC 06.2019
WORK EXPERIENCE	PhD Student Researcher Cornell Tech 11.2023 - Present
	• PIs: Dr. Kyra Gan , Dr. Promit Ghosal . Investigating efficient statistical inference, scalable causal discovery, and federated AI tools for high-risk decision-making.
	• Wrote two first author papers, one accepted and the other one is under review.
	Public Policy Research Intern PUSD + Caltech 10.2022 - 03.2023
	• PI: Dr. Adam Wierman . Used Python to perform data analysis on statistics from the Pasadena Unified School District 2022 school choice lottery.
	• Recommended changes to the current school lottery process that helped promote equity and boost public school enrollment rates as measured in 2024.
	Industry Research Intern IpLearn 06.2022 - 10.2022
	• Manager: Peter Tong . Reviewed technical documents and prepared weekly reports on Multi-Edge-Access, 5G and various other data transmission technologies.
	Academic Research Assistant Caltech 08.2021 - 10.2021
	• PI: Shunto Kobayashi . Used R to build a ML tool for classification of website URLs into the industry of the corresponding company who owns the URL.
Industry Research Intern IpLearn 06.2021 - 10.2021	
• Manager: Peter Tong . Reviewed technical documents and prepared weekly reports on various network technologies underlying Amazon Sidewalk.	
Academic Research Intern Yahoo! + Caltech 08.2021 - 10.2021	
• PIs: Dr. Matthew Shum , Dr. Miguel Alcobendas . Used R to analyze ad auction data from Yahoo! to investigate the role of rebroadcasters in online ad markets.	
Academic Research Intern Caltech 08.2021 - 10.2021	
• PIs: Dr. Franca Hoffmann , Dr. Mason Porter , Heather Zinn Brooks . Developed bounded confidence models for opinion dynamics on social media networks to account for heterogeneous media influence, implemented in MATLAB.	

COMMUNITY SERVICE	Cornell Tech PhD Mentor Cornell Tech	09.2024 - Present
	<ul style="list-style-type: none"> • Mentoring a first-year PhD student, helping them to adjust to PhD life. 	
	Cornell Tech Student Wellness Advisor Cornell Tech	09.2024 - Present
	<ul style="list-style-type: none"> • Supporting Cornell Tech students by developing various wellness initiatives. 	
	Head Peer Advocate Caltech	01.2023 - 06.2023
	<ul style="list-style-type: none"> • Supported various students as a trusted listener when they were in distress throughout the year. Lead advertising campaigns for the Caltech Counseling Services. 	
	Caltech Y Rise Mentor Caltech	10.2021 - 06.2023
	<ul style="list-style-type: none"> • Tutored public school students struggling with math. 	
	Deans Tutor Caltech	10.2021 - 06.2023
	<ul style="list-style-type: none"> • Tutored freshmen and sophomore Caltech students struggling in their classes. 	
	Peer Advocate Caltech	10.2021 - 06.2022
	<ul style="list-style-type: none"> • Was trained in counseling skills over a semester. Supported various students as a trusted listener when they were in distress throughout the year. 	
TEACHING	Applied Machine Learning TA Cornell Tech	08.2024 - Present
	<ul style="list-style-type: none"> • Prof: Dr. Kyra Gan. Holding weekly office hours (OH), preparing course materials. 	
	Probability/Statistics TA Cornell University	01.2024 - 05.2024
	<ul style="list-style-type: none"> • Prof: Dr. Johannes Wissel. Graded homework, held weekly OH and discussion, organized midterm and finals. 	
	Statistical Inference Head TA Caltech	03.2023 - 06.2023
	<ul style="list-style-type: none"> • Prof: Dr. Kostia Zuev. Graded homework, held weekly OH and discussions, organized midterm and finals, onboarded and coordinated new TAs. 	
	Markov Chains TA Caltech	01.2023 - 03.2023
	<ul style="list-style-type: none"> • Prof: Dr. Houman Owhadi. Graded homework, held weekly OH and discussion. 	
	Intro to Applied Math II TA Caltech	03.2022 - 06.2022
	<ul style="list-style-type: none"> • Prof: Dr. Kostia Zuev. Graded homework, held weekly OH and discussion. 	
	Intro to Applied Math I TA Caltech	01.2022 - 03.2022
	<ul style="list-style-type: none"> • Prof: Dr. Kostia Zuev. Graded homework, held weekly OH and discussion. 	
	Applied Linear Algebra TA Caltech	10.2021 - 12.2021
	<ul style="list-style-type: none"> • Prof: Dr. Kostia Zuev. Graded homework, held weekly OH and discussion. 	
INVITED PRESENTATIONS	NeurIPS 2024 Conference Vancouver, CAN, <i>Hybrid Causal Discovery</i>	12.2024
	INFORMS 2024 Seattle, WA, <i>Hybrid Causal Discovery</i>	09.2024
SKILLS	Languages: Python, LaTeX, R. Tools: sklearn, numpy, tidyverse.	