

education	Cornell University , Ithaca, NY	
	M.S. in Computer Science	Aug 2021 – May 2023
	Advisor: Anil Damle	
	B.S. in Computer Science (Honors), <i>Summa Cum Laude</i>	Aug 2018 – May 2021
	Advisor: Austin Benson	
	GPA: 4.14/4.30	
coursework	Numerical Methods (Graduate), Probability (Graduate), Statistical Distances (Graduate), Algorithms (Graduate), Network Theory (Graduate), Computer Vision (Graduate), Machine Learning, Real Analysis, Linear Algebra, Compilers	
preprints & publications	Edge Proposal Sets for Link Prediction   (under submission)	
	<i>Abhay Singh, Qian Huang, Sijia Linda Huang, Omkar Bhalerao, Horace He, Ser-Nam Lim, Austin Benson</i>	
	Combining Label Propagation and Simple Models Out-performs GNNs   (ICLR 2021)	
	<i>Qian Huang, Horace He, Abhay Singh, Ser-Nam Lim, Austin Benson</i>	
	Better Set Representations For Relational Reasoning   (NeurIPS 2020)	
	<i>Qian Huang, Horace He, Abhay Singh, Yan Zhang, Ser-Nam Lim, Austin Benson</i>	
professional experience	Citadel, Global Quantitative Strategies , Chicago, IL	
	<i>Quantitative Research Intern (Incoming)</i>	June 2022 – Aug 2022
	• Portfolio Optimization Team	
	<i>Software Engineering Intern</i>	June 2021 – Aug 2021
	• Portfolio Optimization Robustness and Latency	
	Yext , New York, NY	
	<i>Software Engineering Intern</i>	June 2020 – Aug 2020
	• Application Security & Code Vulnerability	
	Morgan Stanley , New York, NY	
	<i>Technology Summer Analyst</i>	June 2019 – Aug 2019
teaching experience	• Efficient Data Pipelines	
	CS 4820: Introduction to Analysis of Algorithms	
	<i>Head Teaching Assistant, Cornell University</i>	Aug 2021 - Dec 2021
	<i>Teaching Assistant, Cornell University</i>	Aug 2019 - Dec 2019
	CS 4780: Introduction to Machine Learning	
	<i>Head Teaching Assistant, Cornell University</i>	Aug 2020 - May 2021
service & leadership	Cornell University Artificial Intelligence	
	<i>Co-President</i>	Aug 2021 - May 2022
projects	Reviewer:	
	ICLR 2022, NeurIPS 2021	
	1-Lipschitz Deep Equilibrium Models 	
	• Enforced uniqueness and existence of fixed-point solution from root-finding neural network	
	Few-Shot Instance Segmentation 	
	• Designed architecture to perform proposal-free few-shot instance segmentation	
	Continual Learning with Lottery Tickets 	
	• Demonstrated effectiveness of novel training scheme to resist catastrophic forgetting	
	Xi Compiler	
	• Wrote optimized compiler to emit x86 assembly instructions, includes dataflow analysis and non-trivial register allocation; ~10,000 lines of code	