










education	Cornell University, Ithaca, NY	
	M.S. in Computer Science Advised by Anil Damle	Aug 2021 – May 2023
	B.S. in Computer Science (Honors), <i>Summa Cum Laude</i> Advised by Austin Benson	Aug 2018 – May 2021
coursework	Numerical Methods (Graduate), Probability (Graduate), Statistical Distances (Graduate), Algorithms (Graduate), Network Theory (Graduate), Computer Vision (Graduate), Machine Learning, 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>Incoming Quantitative Research Intern</i> • Portfolio Optimization Team	June 2022 – Aug 2022
	Citadel, Global Quantitative Strategies , Chicago, IL <i>Software Engineering Intern</i> • Portfolio Optimization Robustness and Latency	June 2021 – Aug 2021
	Yext , New York, NY <i>Software Engineering Intern</i> • Application Security & Code Vulnerability	May 2020 – Aug 2020
	Morgan Stanley , New York, NY <i>Technology Summer Analyst</i> • Efficient Data Pipelines	June 2019 – Aug 2019
projects	1-Lipschitz Deep Equilibrium Models  • Enforce 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 in Scala for language Xi, in team of 4; approximately 10,000 lines of code • Includes lexing, parsing, type-checking, intermediate code generation, various optimizations including dataflow analysis, and emitting assembly instructions with non-trivial register allocation	
teaching experience	CS 4820: Introduction to Analysis of Algorithms <i>Head Teaching Assistant, Cornell University</i> <i>Teaching Assistant, Cornell University</i>	Aug 2021 - Dec 2021 Aug 2019 - Dec 2019
	CS 4780: Introduction to Machine Learning <i>Head Teaching Assistant, Cornell University</i>	Aug 2020 - May 2021
	Cornell University Artificial Intelligence <i>Co-President</i>	Aug 2021 - May 2022
service & leadership	Reviewer: NeurIPS 2021, ICLR 2022	