

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