

Education	Ph.D. in Computer Science Purdue University WEST LAFAYETTE, USA	MAJOR GPA 3.57/4 SEP 2018 - MAY 2022(EXPECTED)
	B.S. in Computer Science (National Elite Program) Nanjing University NANJING, CHINA	MAJOR GPA 4.34/5 SEP 2014 - JUL 2018
Publication	D-square-B: Deep Distribution Bound for Natural-looking Adversarial Attack Q. Xu, G Tao, X. Zhang	PREPRINT, ARXIV
	Fundamental Limits of Adversarial Learning Q. Xu*, K. Bello*, J. Honorio	PREPRINT, ARXIV
	Towards Feature Space Adversarial Attack Q. Xu, G. Tao, S. Cheng, X. Zhang	PREPRINT, ARXIV
	TRADER: Trace Divergence Analysis and Embedding Regulation for Debugging Recurrent Neural Networks G. Tao, S. Ma, Y. Liu, Q. Xu, X. Zhang	ICSE 2020
	Bridging Machine Learning and Logical Reasoning by Abductive Learning D. Zhou*, Q. Xu*, Y. Yu*, Z. Zhou	NEURIPS 2019
Experience	Purdue University Research Assistant Topic in Adversarial Learning, including defense, attack and analysis for models. <ul style="list-style-type: none">• Feature space attack, which is not bounded by typical norm• Defense against adversarial attack• Mathematically analyze the robustness of model	AUG 2018 -
	Microsoft Research Asia, Beijing Research Intern Automatic Hyperparameter Tuner <ul style="list-style-type: none">• Design representation of hyperparameter search space and algorithm for automatic machine learning• https://github.com/Microsoft/nni	FEB 2018 - JUN 2018
	Microsoft Asia, Suzhou Software Engineer Contribute to new tools and improve its efficiency <ul style="list-style-type: none">• Aggregate different sources of data and contribute to statistics graph of databases	JUL 2017 - SEP 2017
	LAMDA - Nanjing University Student Study in reinforcement learning and algorithms	JUN 2015 - OCT 2017
Selected Honors	Gold Medal in ACM-ICPC China Final Programming Contest (16/300) Algorithmic Programming Competition COMPETITORS SELECTED FROM 1500 TEAMS IN 5 REGIONAL SITES, FALL 2016, SHANGHAI	
	1st class National Elite Program Scholarship Nomination (3/21) National Scholarship	2015, NANJING