Poorya Mianjy

EMAIL	mianjy@gmail.com

WORK EXPERIENCE

Quantitative Researcher — 2022 – Present
Citadel Securities

EDUCATION

Ph.D. in Computer Science
M.Sc.Eng. in Computer Science
Johns Hopkins University, Baltimore, MD

M.Sc. in Computer Engineering
Sharif University of Technology, Tehran, Iran

B.Sc. in Computer Engineering
Amirkabir University of Technology, Tehran, Iran

PUBLICATIONS

Y Wang, E Ullah, **P Mianjy**, R Arora. "Adversarial Robustness is at Odds with Lazy Training." *arXiv:1901.00532 (cs).* 2022.

($\alpha - \beta$ *Order*) R Arora, P Bartlett, **P Mianjy**, N Srebro. "Dropout: Explicit Forms and Capacity Control." *International Conference on Machine Learning (**ICML**).* 2021.

Y Wang, **P Mianjy**, R Arora. "Robust Learning for Data Poisoning Attacks." *International Conference on Machine Learning (**ICML**).* 2021.

P Mianjy and R Arora. "On Convergence and Generalization of Dropout Training" . *Neural Information Processing Systems (**NeurIPS**).* 2020.

P Mianjy and R Arora. "On Dropout and Nuclear Norm Regularization." *International Conference on Machine Learning (**ICML**).* 2019.

($\alpha - \beta$ *Order*) R Arora, A Basu, **P Mianjy**, A Mukherjee. "Understanding Deep Neural Networks with Rectified Linear Units." *International Conference on Learning Representations (**ICLR**).* 2018.

E Ullah, **P Mianjy**, T Marinov, R Arora. "Streaming Kernel PCA with $\tilde{O}(\sqrt{n})$ Random Features." *Neural Information Processing Systems (**NeurIPS**).* 2018.

P Mianjy, R Arora, R Vidal. "On the Implicit Bias of Dropout." *International Conference on Machine Learning (**ICML**).* 2018.

P Mianjy and R Arora. "Stochastic PCA with ℓ_2 and ℓ_1 Regularization." *International Conference on Machine Learning (**ICML**).* 2018.

(** Equal Contribution*) *T Marinov, ***P Mianjy**, R Arora. "Streaming Principal Component Analysis in Noisy Settings." *International Conference on Machine Learning (**ICML**).* 2018.

($\alpha - \beta$ *Order*) R Arora, T Marinov, **P Mianjy**, N Srebro. "Stochastic approximation for canonical correlation analysis." *Neural Information Processing Systems (**NeurIPS**).* 2017.

R Arora, **P Mianjy**, T Marinov. "Stochastic optimization for multiview representation learning using partial least squares" *International Conference on Machine Learning (**ICML**).* 2016.

HONORS AND AWARDS	Data Science Fellowship, Mathematical Institute for Data Science	Oct 2019
	Best Poster Award, Princeton Day of Optimization	Oct 2018
	Travel Awards ICML (2016,2018,2019), ICLR (2018), NeurIPS (2017)	
ACADEMIC AND PROFESSIONAL SERVICE	Reviewer for JMLR, AISTATS, ALT, ICML, NeurIPS, ICLR	
	JHU Ph.D. Admission Committee Reviewed ML/Theory applications and interviewed applicants	2016 - 2020
	Women in Science and Engineering (WISE) Mentored a high-school senior student	Spring 2017
TALKS / PRESENTATIONS	MINDS & CIS Seminar Series Understanding the Algorithmic Regularization due to Dropout Mathematical Institute for Data Science and Center for Imaging Science	Nov 2020
	Math Machine Learning Seminar MPI MIS + UCLA Understanding the Algorithmic Regularization due to Dropout Max Planck Institute for Mathematics in the Sciences and UCLA	Jun 2020
	CMU Summer School on Human Language Technology Multiview Representation Learning Lab Carnegie Mellon University, Pittsburgh, PA.	Jun 2017
	CLSP Student Seminar Stochastic Approximation for Partial Least Squares Johns Hopkins University, Baltimore, MD.	Dec 2016
	JHU Summer School on Human Language Technology Representation Learning Lab Johns Hopkins University, Baltimore, MD.	Jun 2016
PROGRAMMING / ML PLATFORMS	MATLAB, C++, Python, NumPy, Pytorch, TensorFlow,	