

CONTACT INFORMATION	Malone 340, 3400 N Charles St Baltimore, MD 21218 Website: http://cs.jhu.edu/~r3831/	443-838-4000 mianjy@jhu.edu
EDUCATION	Ph.D. in Computer Science M.Sc.Eng. in Computer Science Johns Hopkins University, Baltimore, MD Major: <i>Machine Learning</i> Advisor: Raman Arora, Ph.D M.Sc. in Computer Engineering Sharif University of Technology, Tehran, Iran Major: <i>Artificial Intelligence</i> B.Sc. in Computer Engineering Amirkabir University of Technology, Tehran, Iran Major: <i>Software Engineering</i>	2014 - Present 2008 - 2011 2004 - 2008
PUBLICATIONS	<p>($\alpha - \beta$ Order) R Arora, P Bartlett, P Mianjy, N Srebro. “Dropout: Explicit Forms and Capacity Control.” <i>To Appear in the International Conference on Machine Learning (ICML)</i>. 2021.</p> <p>Y Wang, P Mianjy, R Arora. “Robust Learning for Data Poisoning Attacks.” <i>To Appear in the International Conference on Machine Learning (ICML)</i>. 2021.</p> <p>P Mianjy and R Arora. “On Convergence and Generalization of Dropout Training” . <i>Neural Information Processing Systems (NeurIPS)</i>. 2020.</p> <p>P Mianjy and R Arora. “On Dropout and Nuclear Norm Regularization.” <i>International Conference on Machine Learning (ICML)</i>. 2019.</p> <p>($\alpha - \beta$ Order) R Arora, A Basu, P Mianjy, A Mukherjee. “Understanding Deep Neural Networks with Rectified Linear Units.” <i>International Conference on Learning Representations (ICLR)</i>. 2018.</p> <p>E Ullah, P Mianjy, T Marinov, R Arora. “Streaming Kernel PCA with $\tilde{O}(\sqrt{n})$ Random Features.” <i>Neural Information Processing Systems (NeurIPS)</i>. 2018.</p> <p>P Mianjy, R Arora, R Vidal. “On the Implicit Bias of Dropout.” <i>International Conference on Machine Learning (ICML)</i>. 2018.</p> <p>P Mianjy and R Arora. “Stochastic PCA with ℓ_2 and ℓ_1 Regularization.” <i>International Conference on Machine Learning (ICML)</i>. 2018.</p> <p>(* Equal Contribution) *T Marinov, *P Mianjy, R Arora. “Streaming Principal Component Analysis in Noisy Settings.” <i>International Conference on Machine Learning (ICML)</i>. 2018.</p> <p>($\alpha - \beta$ Order) R Arora, T Marinov, P Mianjy, N Srebro. “Stochastic approximation for canonical correlation analysis.” <i>Neural Information Processing Systems (NeurIPS)</i>. 2017.</p> <p>R Arora, P Mianjy, T Marinov. “Stochastic optimization for multiview representation learning using partial least squares” <i>International Conference on Machine Learning (ICML)</i>. 2016.</p>	

HONORS AND AWARDS	Data Science Fellowship, Mathematical Institute for Data Science Baltimore, MD	Oct 2019
	Best Poster Award, Princeton Day of Optimization Princeton, NJ	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 - Present
	Women in Science and Engineering (WISE) Mentored a high-school senior student	Spring 2017
	JHU NACLO Committee Held practice sessions Supervised NACLO open-round competition	2014 – 2015
PRESENTATIONS	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
WORK EXPERIENCE	Graduate Research Assistant Department of Computer Science, Johns Hopkins University	2014 – Present
	Teaching Assistant Department of Computer Science, Johns Hopkins University	
	EN 600.675 - Statistical Machine Learning	Fall 2017, Springs 2015
	EN 600.679 - Representation Learning	Fall 2016, Fall 2015
	EN 600.475 - Introduction to Machine Learning	Fall 2014
	Department of Computer Engineering, Sharif University of Technology	
	CE 40.725 - Statistical Pattern Recognition	Springs 2014
	CE 40.181 - Engineering Probability and Statistics	Springs 2010
	CE 40.725 - Stochastic Processes	Fall 2009
	Network Engineer Research and Development Team, Pars Online Company	2012 – 2013
PROGRAMMING / ML PLATFORMS	MATLAB, Python, Pytorch, TensorFlow	
REFERENCES	Raman Arora	Email: arora@cs.jhu.edu
	Amitabh Basu	Email: abasu9@jhu.edu
	Rene Vidal	Email: rvidal@jhu.edu