

EDUCATION	Carnegie Mellon University	
	Ph.D., Jointly in <i>Statistics</i> and <i>Machine Learning</i>	2017-exp. 2022
	Advisor: Dr. Ryan Tibshirani	
	M.S., <i>Statistics</i> (on route)	2017-2019
EDUCATION	North Carolina State University	
	B.S., <i>Statistics</i> and <i>Economics</i> , minor in <i>Mathematics</i>	2013-2017
	Cumulative GPA: 4.0/4.0, <i>summa cum laude</i>	
EXPERIENCE	Argo AI , <i>Autonomous Driving Research Intern</i>	2019-2020
	<i>Software Engineering Intern</i>	2018
	NC State University , <i>Undergrad Research Assistant with Eric Laber</i>	2015-2017
	University of Western Ontario , <i>Visiting Research Student with Daniel Lizotte</i>	2016
	Duke-NUS Medical School , <i>Summer Intern with Bibhas Chakraborty</i>	2016
	SAS Institute , <i>Advanced Analytics Intern</i>	2014-2017
AWARDS	NSF Graduate Research Fellowship, <i>Computational Statistics</i>	2018-2021
	Gertrude M. Cox Scholarship	2019
	Valedictorian, <i>NC State University</i>	2017
	Outstanding Research Award, <i>NC State Department of Statistics</i>	2017
	Outstanding Student Award, <i>NC State Department of Economics</i>	2017
	SAS Institute Scholarship	2013-2017
	Frank M. Thompson Scholarship	2013-2017
	Dean's List Scholarship	2013-2017
PAPERS AND PATENTS	M. Jahja, D. Farrow, R. Rosenfeld, R. J. Tibshirani; "Kalman Filter, Sensor Fusion, and Constrained Regression: Equivalences and Insights." <i>NeurIPS</i> , 2019.	
	M. Jahja, D. J. Lizotte; "Visualizing clinical significance with prediction and tolerance regions." <i>Proceedings of the 2nd Machine Learning for Healthcare Conference</i> , 2017.	
	M. Jahja, D. J. Lizotte; "Prediction regions and tolerance regions for multi-objective Markov decision processes." <i>Proceedings of the 3rd Multidisciplinary Conference on Reinforcement Learning and Decision Making</i> , 2017.	
	A. Chaudhuri, D. Kakde, M. Jahja, W. Xiao, S. Kong, H. Jiang, S. Peredriy, "Sampling method for fast training of support vector data description." <i>Annual Reliability and Maintainability Symposium (RAMS)</i> , 2018.	
	· U.S. Patent No. 9830558 filed Jun 2016, and issued Nov 2017.	
	D. Kakde, A. Chaudhuri, S. Kong, M. Jahja, H. Jiang, J. Silva; "Peak criterion for choosing Gaussian kernel bandwidth in support vector data description." <i>IEEE Prognostics and Health Management Conference</i> , 2017. Best Paper Award.	
· U.S. Patent No. 9536208 filed Apr 2016, and issued Jan 2017.		

TALKS	<i>Investigating Ground Truth Measures of Seasonal Influenza via Digital Surveillance Nowcasting</i> , Carnegie Mellon University	2018
	<i>Statistics undergraduate commencement speaker</i> , NC State University	2017
	<i>Laserfoxes: Artificial Intelligence in Games (featured in AMSTAT News)</i> USA Science & Engineering Festival in Washington D.C.	2016, 2017
	<i>Ataristicians (winner in the Lulu eGames)</i> , NC State University	2017
ACTIVITIES AND SERVICE	Teaching Assistantships Advanced Methods for Data Analysis - CMU 36-402, (Spring 2018) Statistical Computing - CMU 36-350, (Fall 2017)	
	Current Groups Doran's Lab @CMU, <i>Graduate mentor</i> (2019-present) American Statistical Association Pittsburgh Chapter, <i>Webmaster</i> (2018-present) Women in Statistics @CMU, <i>Committee member</i> (2017-present) Delphi Epidemiological Forecasting Research Group (2017-present)	
	Past Activities Machine Learning for Healthcare (MLHC), <i>Reviewer</i> (2018) Laber Labs (2015-2017) NC State Statistical Learning Group (2016-2017) NC State Statistics Club (2013-2017) Phi Beta Kappa (2015) Mu Sigma Rho, Statistics Honor Society (2014)	
SELECTED CLASSES	Statistical Machine Learning, Convex Optimization, Advanced Statistical Theory, Advanced Probability Overview, Regression Analysis, Advanced Data Analysis, Advanced Statistical Computing, Independent Study in Imitation Learning (Dr. Eric Laber), Independent Study in Applied Microeconomics (Dr. Barry Goodwin)	