	Intelligent Systems Program 5108 Sennott Square 210 South Bouquet Street University of Pittsburgh Pittsburgh, PA 15260	Phone: +1 (412) 944-4006 Email: pakdaman [AT] cs.pitt.edu http://people.cs.pitt.edu/ pakdaman/	
Research	• Statistical Machine Learning	• Active Learning	
Interests	• Large Scale Optimization	• Anomaly Detection	
	• Deep Learning • Multi-label Classification		
Education	University of Pittsburgh, Pittsburgh, PA Sept. 2011 - present Ph.D., Intelligent Systems Program Research topic: Obtaining Accurate Probabilities using Classifier Calibration Advisor: Dr. Gregory Cooper GPA: 3.95/4		
	University of Pittsburgh, Pittsburgh, PASept. 2011 - Dec. 2013M.Sc., Intelligent Systems ProgramResearch topic: An Optimization-based Framework to Learn Conditional Random Fields for Multi- label ClassificationAdvisor: Dr. Milos Hauskrecht		
	University of Tehran, Tehran, IranSept. 2001 - Jun. 2004M.Sc., Robotics and Artificial IntelligenceThesis: Design and implementation of an intelligent system for credit risk assessmentAdvisor: Dr. Caro Lucas		
	Iran University of Science and Technology, Tehran, IranSept. 1997 - Sept. 2001B.Sc., Computer EngineeringThesis: A Comprehensive Linux Tool Set for Internet service ProvidersAdvisor: Dr. Mohsen Sharifi		
Work Experience	Yahoo! Labs Inc., Sunnyvale, CA Researcher Document relevancy detection for the stock multi-lingual deep learning model	Research Intern Jun. 2015 - Aug. 2015 app of apple that is empowered by Yahoo using a new	
	Yahoo! Inc., Sunnyvale, CA Applied Researcher Developing app organizer and recommender	Engineer Intern Jun. 2014 - Aug. 2014 models and algorithms for the Yahoo! Aviate system	
	TOSAN Intelligent Data Miners , Tehra Applied Researcher Developing algorithm for credit fraud detecti	an, Iran Research Scientist Mar. 2010 - Jul. 2011 ion and anti money laundry systems	
	Islamic Azad University of Parand, Tel IT & Computer Eng. (ITC) Department Teaching: Data Structure, Artificial Intellige Software Engineering, Object Oriented Progr	hran, Iran Faculty Member Sep. 2006 - Jul. 2011 nce, Introduction to Algorithm, Discrete Mathematics, ramming	
Selected	 Mahdi Pakdaman Naeini, G. F. Cooper, "Obtaining Accurate Probabilities using an Ensemble of l₁ Trend Filtering", SIAM Data Mining (SDM), Miami, FL, 2016. 		
Publications	oper, M. Hauskrecht, "Obtaining Calibrated Probabilities for the Advancement of Artificial Intelligence (AAAI),		

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Austin, TX, 2015.

	• Mahdi Pakdaman Naeini, G. F. Cooper, M. Hauskrecht, "Binary Classifier Calibration: A Bayesian Non-Parametric Approach", SIAM Data Mining (SDM), Vancouver, Canada, 2015.			
	• Mahdi Pakdaman Naeini, I. Batal, Z. Liu, C. Hong, and M. Hauskrecht. "An Optimization- based Framework to Learn Conditional Random Fields for Multi-label Classification". SIAM Data Mining (SDM), Philadelphia, PA, 2014.			
	 A. Saluja, Mahdi Pakdaman Naeini, D. Piao, and A.P. Parikh "Infinite Mixed Membership Matrix Factorization". IEEE 13th International Conference on Data Mining (ICDM) Workshops, Dallas, TX, 2013. Mahdi Pakdaman Naeini, B. Araabi, B. Moshiri, M. Sadeghi, "Learning by abstraction: Hierarchical classification model using evidential theoretic approach and Bayesian ensemble model". Neurocomputing journal, 2013. 			
	• Mahdi Pakdaman Naeini, H. Taromian, and H. B. Hashemi, "Stock Market value Prediction using Neural Networks". International Conference on Computer Information Systems and Industrial Management Applications (CISIM), Krakow, Poland, 2010.			
	• H. B. Hashemi, A. Shak Using Bayesian Ensemb puting and Pattern Reco	ery, Mahdi Pakdaman Naeini , le of RBF Neural Networks". Inte- ognition (SoCPaR), Malacca, Mala	"Protein Fold Pattern Recognition ernational Conference of Soft Com- ysia, 2009.	
Preprints	• Mahdi Pakdaman Naeini, G. F. Cooper "Binary Classifier Calibration using an Ensemb of Near Isotonic Regression Models", arXiv:1511.05191, 2015.			
Awards and Honors	• Mahdi Pakdaman Naeini, G. F. Cooper, M. Hauskrecht, "Binary Classifier Calibration: Non-Parametric Approach", arXiv:1401.3390, 2014.			
	• Andrew Mellon Predoctoral Fellowship awarded by the Dietrich School of Arts and Sciences, University of Pittsburgh, 2015-2016.			
	• Arts and Sciences Graduate Fellowship, University of Pittsburgh, Spring 2014.			
	• Arts and Sciences Graduate Fellowship, University of Pittsburgh, 2011-2012.			
	• Member of robot contest team of University of Tehran, ranked 4th in the nation, 2002.			
	• Ranked first among entrance students to the University of Tehran of Robotic & AI, 2000.			
	• Silver Medal in Iranian National Mathematical Olympiad, 1996.			
	• Honor Diploma in Iranian Computer National Olympiad, 1996.			
Professional Services	• Reviewer for:			
	- Association for the Advancement of Artificial Intelligence (AAAI) 2015			
	- International Conference on Machine Learning (ICML), 2015			
	• Graduate Students Representative: Intelligent Systems Program, University of Pitts- burgh (2012, 2015)			
	 Invited Speaker: "Introduction to Kernel Methods". Automated Fraud Detection workshop, Institute for Research in Fundamental Sciences (IPM). Tahran, Iran, Aug. 2010. 			
	 Mentor of ACM programming team of Azad University of Parand, ranked 14th in 12th Asian 			
	Regional ACM Programming Contest, 2010.			
Graduate Courses	University of Pittsburgh:	Carnegie Mellon University:	University of Tehran:	
	• Machine Learning(A+)	• Graphical Models (A+)	• Pattern Recognition (20/20)	
Courses	• Advanced ML (A)	• Statistical ML (A+)	• Data Mining (19.5/20)	
	• NLP (A)	• Optimization (A-)	• Fuzzy Logic (17/20)	
	• BioStatistics (A+)		• Evolutionary Computing(17.5/20)	
	• Graduate Algorithm(A-)		• Advanced Robotics(18.5/20)	

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List of References

- Dr. Gregory F. Cooper, Department of Biomedical Informatics, University of Pittsburgh email: gfc@pitt.edu Phone: 412-624-3308
- Dr. Milos Hauskrecht, Computer Science Department, University of Pittsburgh email: milos@cs.pitt.edu Phone: 412-624-8845
- Dr. Shyam Visweswaran, Department of Biomedical Informatics, University of Pittsburgh email: shv3@pitt.edu Phone: 412-648-7119
- Dr. Jeff Schneider, Robotic Institute, Carnegie Mellon University email: schneide@cs.cmu.edu phone: 412-268-2339