

Andrew Lee Maas

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Education

PhD Student in Computer Science (3rd Year). Advisor: Dr. Andrew Ng	2009 to Present
Stanford University. Stanford, CA	
Bachelors of Sci. Computer Sci. & Cognitive Sci. (Double major, Highest honors)	2005 to 2009
Carnegie Mellon University. Pittsburgh, PA. GPA: 3.82/4.0	

Publications

Learning Word Vectors for Sentiment Analysis. Andrew L. Maas, Raymond E. Daly, Peter T. Pham, Dan Huang, Andrew Y. Ng, and Christopher Potts. *The 49th Annual Meeting of the Association for Computational Linguistics (ACL 2011)*.

Spectral Chinese Restaurant Processes: Nonparametric Clustering Based on Similarities. Richard Socher, Andrew Maas, and Christopher D. Manning. *The 15th International Conference on Artificial Intelligence and Statistics (AISTATS 2010)*.

A Probabilistic Model for Semantic Word Vectors. Andrew L. Maas and Andrew Y. Ng. *NIPS 2010 Workshop on Deep Learning and Unsupervised Feature Learning*.

One-Shot Learning with Bayesian Networks. Andrew L. Maas and Charles Kemp. *Proceedings of the 31st Annual Meeting of The Cognitive Science Society (CogSci 2009)*.

Human Behavior Modeling with Maximum Entropy Inverse Optimal Control. Brian D. Ziebart, Andrew L. Maas, Anind K. Dey, and J. Andrew Bagnell. *AAAI Spring Symposium on Human Behavior Modeling (2009)*.

Navigate Like a Cabbie: Probabilistic Reasoning from Observed Context-Aware Behavior. Brian D. Ziebart, Andrew L. Maas, Anind K. Dey, and J. Andrew Bagnell. *Proceedings of the 10th International Conference on Ubiquitous Computing (UbiComp 2008)*.

Maximum Entropy Inverse Reinforcement Learning. Brian D. Ziebart, Andrew L. Maas, J. Andrew Bagnell, and Anind K. Dey. *Proceedings of the 23rd AAAI Conference on Artificial Intelligence (AAAI 2008)*.

Professional Experience

NavPrescience, Inc., Pittsburgh, PA	Early-Stage Startup
Vice President of Product Development	May 2009 to Present
○ Commercializing machine learning technology for personal navigation systems	
National Robotics Engineering Center, Pittsburgh PA	Internship
Research Intern	May to September, 2009
○ Developed analysis tools for laser-based sensing systems on self-driving mining trucks	
DataTectonics, Inc., Ellicott City, MD	Part-Time Job
Junior Consultant	September 2003 to August 2005
○ Designing finance and inventory databases using Lotus Notes	

Teaching

CS229: Machine Learning. Professor: Dr. Andrew Ng	Stanford University
Teaching Assistant	September to December, 2011
15-385: Computer Vision. Professor: Dr. Tai Sing Lee	Carnegie Mellon University
Teaching Assistant	January to May, 2009
15-385: Computer Vision. Professor: Dr. Tai Sing Lee	Carnegie Mellon University
Teaching Assistant	January to May, 2008
16-221: Introduction to Mobile Robotics. Professor: Dr. Raj Reddy	Carnegie Mellon University
Co-Instructor	June to August, 2006

Selected Honors

National Science Foundation Graduate Research Fellowship	April 2009
IGERT Training Fellowship for Mind, Brain, and Computation	April 2010
Inducted into Phi Beta Kappa	May 2009
Yahoo! Undergraduate Research Award, 2nd Runner-Up	May 2009
National Institutes of Health Computational Neuroscience Research Fellowship	May 2008
Inducted into Psi Chi, Psychology Honors Society	October 2007
Carnegie Mellon Summer Undergraduate Research Fellowship	May 2007
Eagle Scout, Boy Scouts of America	
National Merit Scholarship Commended Scholar	

Skills

Development in Linux with significant experience in multi-machine and GPU parallelization
Proficient: MATLAB, Python, C/C++, and Java
Limited experience: SQL/PHP, Ruby, Django, and Lisp

Languages**English** (native)**Spanish** (fairly fluent)**Greek** (Beginning)