Karl Pichotta

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Education

2017	Ph.D., Computer Science, University of Texas at Austin.
2013	MS, Computer Science, University of Texas at Austin.
2008	BS, Symbolic Systems (Honors), Minor in Mathematics, Stanford University.

Research Interests

Natural Language Processing, Document and Discourse-level Computational Semantics, Machine Learning.

Publications

Journal Articles

2012   Vladimir Lifschitz, Karl Pichotta and Fangkai Yang. Relational Theories with Null Values and Non-Herbrand Stable Models. *Theory and Practice of Logic Programming*, 12(4-5):565-582. 2012.

Conference Proceedings

2016   Karl Pichotta and Raymond J. Mooney. Using Sentence-Level LSTM Language Models for Script Inference. *Proceedings of the 54th Annual Meeting of the Association for Computational Linguistics (ACL-16)*.

2016   Karl Pichotta and Raymond J. Mooney. Learning Statistical Scripts With LSTM Recurrent Neural Networks. *Proceedings of the 30th AAAI Conference on Artificial Intelligence (AAAI-16)*.

2014   Karl Pichotta and Raymond J. Mooney. Statistical Script Learning with Multi-Argument Events. *Proceedings of the 14th Conference of the European Chapter of the Association for Computational Linguistics (EACL 2014)*.

2013   Karl Pichotta and John DeNero. Identifying Phrasal Verbs Using Many Bilingual Cor-
pora. *Proceedings of the 2013 Conference on Empirical Methods in Natural Language Processing (EMNLP 2013)*.

Workshop Proceedings

2016   Karl Pichotta and Raymond J. Mooney. Statistical Script Learning with Recurrent Neu-
ral Networks. Workshop on Uphill Battles in Natural Language Processing at EMNLP
2016.

Other Publications

2017   Wesley Tansey, Karl Pichotta, and James G. Scott. Deep Nonparametric Estimation of
Discrete Conditional Distributions via Smoothed Dyadic Partitioning. ArXiv preprint
arXiv:1702.07398.

2008   Karl Pichotta. Processing Paraphrases and Phrasal Implicatives in the Bridge Question-
Answering System. Undergraduate Honors Thesis, Symbolic Systems Program, Stan-
ford University. 2008.

Honors, Awards, & Fellowships

2010   Microelectronics and Computer Development (MCD) Fellowship, University of Texas
at Austin.

2006   Summer Research Fellowship, Stanford University.

2004   Robert C. Byrd Honors Scholarship.

2004   National Merit Scholarship.

Teaching

Stanford University

2006-2008   Section Leader, Programming Methodology & Programming Abstractions: Fall 2006–
Spring 2008.

Research and Industry Positions

2014   Google, PhD Intern.
        Machine Learning for Natural Language Processing.

2012   Google, PhD Intern.
        Machine Learning for Natural Language Processing.

2008–2010   Versay Solutions, Software Engineer.
        Voice interfaces; Natural Language Processing for application analytics.

2008	SRI Artificial Intelligence Center, Student Associate. Automatic text summarization.
2007	PARC (Palo Alto Research Center) Natural Language Theory and Technology Group, Research Intern. Implementation of certain classes of textual entailment in large NLP system.
2006	Stanford University Electrical Engineering Department, Research Assistant. Automatic detection of lightning events from atmospheric data.
2005	Motorola, Intern. Radio network infrastructure software engineering.
2004	Motorola, Intern. Large-scale simulation of communications infrastructure.

Professional Activities

2018	Program Committee, AAAI 2018.
2017	Program Committee, ACL 2017, IJCNLP 2017. Secondary Reviewer, EACL 2017, IJCAI 2017.
2016	Program Committee, COLING 2016, AAAI 2016.
2015	Program Committee, EMNLP 2015. Secondary Reviewer, AAAI 2015.
2008	Secondary Reviewer, ICAPS 2008.

Languages

English (native).
Spanish (conversational).
German (terrible).

Last updated: July 31, 2017