Karl Pichotta

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Education

Ph.D (in progress), Computer Science, University of Texas at Austin (2016, expected).
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

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 Corpora. *Proceedings of the 2013 Conference on Empirical Methods in Natural Language Processing (EMNLP 2013)*.

Other Publications

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

Talks

2010 "Advanced Speech Recognition Techniques and Experiences." Panel Discussion, SpeechTEK Europe Conference, London.

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 acquisition of commonsense knowledge.

2012 Google, PhD Intern.
Machine Learning to identify idiomaticity in language.

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.

Languages

English (native).
Spanish (conversational).
German (basic).
Sanskrit (can read with dictionary).
Ancient Greek (can read with dictionary).