

GIDEON S. MANN

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EDUCATION

The Johns Hopkins University, Baltimore, MD.
Ph.D. in Computer Science, 2006.
Thesis: *Multi-Document Statistical Fact Extraction and Fusion*
Adviser: David Yarowsky

The Johns Hopkins University, Baltimore, MD.
Master's Degree in Computer Science, 2004.
Thesis: *Machine Learning for Question Answering*

Brown University, Providence, RI
Sc.B. in Computer Science, with honors, 1999.
Honors Thesis: *An Unsupervised Approach to Metaphor Detection*
Adviser: Eugene Charniak

RESEARCH INTERESTS

Multi-Document Relationship Extraction and Fusion
Semi-Supervised Learning of Conditional Random Fields
Data Mining in Extremely Large Corpora
Unsupervised Clustering
Statistical Question Answering

PROFESSIONAL EXPERIENCE

University of Massachusetts, Amherst, MA (2005 - present)
Senior Postdoctoral Research Associate. Supervisor: Andrew McCallum.

The Johns Hopkins University, Baltimore, MD (1999 - 2005)
Research Assistant. Adviser: David Yarowsky.

MITRE, Burlington, MA (Summer 2001)
Research Scientist. Advisers: Marc Light and Lynnette Hirschman.

CLSP Summer Workshop, Baltimore, MD (Summer 2000)
Research Assistant. Adviser: Ellen Riloff.

Brown University, Providence, RI (1998 - 1999)
Research Assistant. Adviser: Eugene Charniak.

Hewlett-Packard, Andover, MA (Summer 1995)
Programming Intern.

PROFESSIONAL ACTIVITIES

Program Committee, ACL (2007), COLING/ACL Relationship Extraction Workshop (2006), COLING/ACL Student Research Workshop (2006), EMNLP (2004, 2006, 2007), HLT/NAACL (2006, 2007), HLT/NAACL Joint Inference Workshop (2006), HLT/NAACL Student Research Workshop (2003), NASSLLI (2004), SemEval (2007), Web Content Mining Workshop at ISWC (2006)

Journal Reviewer, Journal of Artificial Intelligence Research (2007), IEEE Transactions on Data and Knowledge Engineering (2007)

Honors Examiner, Swarthmore College (2007)

Co-chair, ACL Student Research Workshop (2002)

Member, Association for Computational Linguistics

PUBLICATIONS

Journal Articles

M. Light, **G. Mann**, E. Riloff, and E. Breck, “Analyses for Elucidating Current Question Answering Technology,” *Journal of Natural Language Engineering*, 2001, 7:4.

Book Chapters

E. Riloff, **G. Mann**, and B. Philips, “Reverse-Engineering Question/Answer Collections from Ordinary Text,” in *Advances in Open-Domain Question Answering*, Tomek Strzalkowski and Sanda Harabagiu, editors, 2006.

Refereed Conference and Workshop Proceedings

G. Mann and A. McCallum, “Simple, Robust, Scalable Semi-Supervised Learning via Expectation Regularization,” ICML, 2007.

G. Mann, “Multi-Document Relationship Fusion via Constraints on Probabilistic Databases,” HLT-NAACL, 2007.

G. Mann and A. McCallum, “Efficient Computation of Entropy Gradient for Semi-Supervised Conditional Random Fields,” HLT-NAACL (short paper), 2007.

K. Ganchez, K. Crammer, F. Periera, **G. Mann**, K. Ballare, A. McCallum, S. Carroll, Y. Jin, and P. White, “Penn/UMass/CHOP BiocreativeII Systems,” Proceedings of BiocreativeII Evaluation Workshop, 2007.

C. Pal, **G. Mann**, R. Minerich. “Putting Sematic Information Extraction on the Map,” AAAI Workshop on Informaion Integration on the Web, 2007.

G. Mann, D. Mimno, and A. McCallum, “Bibliometric Impact Measures Leveraging Topic Analysis,” JCDL, 2006.

G. Mann and D. Yarowsky, “Multi-Field Information Extraction and Cross-Document Fusion,” ACL, 2005.

G. Mann and D. Yarowsky, “Unsupervised Proper Name Disambiguation,” CoNLL, 2003.

D. Smith and **G. Mann**, “Bootstrapping Toponym Classifiers,” Workshop on Geographic Name Disambiguation, HLT/NAACL, 2003.

G. Mann, “Learning How to Answer Questions Using Trivia Games,” COLING, 2002.

G. Mann, “Fine-Grained Proper Noun Ontologies for Question Answering,” SemNet02: Building and Using Semantic Networks, 2002.

G. Mann and D. Yarowsky, “Multipath Translation Lexicon Induction via Bridge Languages,” NAACL, 2001.

G. Mann, “A Statistical Method for Short Answer Extraction,” Workshop on Open-Domain Question Answering, ACL, 2001

E. Breck, M. Light, **G. Mann**, E. Riloff, B. Brown, P. Anand, M. Rooth, and M. Thelen, “Looking Under the Hood: Tools for Diagnosing your Question Answering System,” Workshop on Open-Domain Question Answering, ACL, 2001.

Invited Papers

G. Mann, “Looking for Mr. X,” *Tech Trend Notes*. Ft. Meade, MD. 2005.

Technical Reports and Unpublished Manuscripts

G. Mann, “Cascaded Information Synthesis for Timeline Construction,” Technical Report, University of Massachusetts IR-501, 2006.

G. Mann, “Synchronous PTIG Parsing”, 2001.

A. Emami and **G. Mann**, “Word Similarity Based Language Modeling using Support Vector Regression Machines,” 2001.

G. Mann, “Computer Vision for HCI: A Review,” 1999.

INVITED TALKS

Multi-Document Database Extraction and Fusion, University of Maryland, 2006, MITRE, 2006, UMass, Amherst, 2006

Multi-Document Information Extraction and Fusion, MIT, 2005

Structured Information Retrieval, UMass, Amherst, 2005, Army Research Labs, 2003, Swarthmore University, 2003

Name-Referent Disambiguation, ITIC MT, 2003

Multi-Path Translation Lexicon Induction, MITRE, 2002

Learning How to Answer Questions, WhizBang! Labs, 2001

Question-Answer Alignment using SITG, IBM, 2001

HONORS AND AWARDS

ITIC Postdoctoral Research Fellowship, September 2006 - present

National Science Foundation Research Fellowship, December 2001 - December 2002

Volunteer of the Year, Village Learning Place, Baltimore, MD, 2004

President, $\Delta\Psi K$, 1996

REFERENCES

Andrew McCallum, mccallum@cs.umass.edu

David Yarowsky, yarowsky@cs.jhu.edu

Marc Light, gaulight@mac.com