

CONTACT

Carnegie Mellon University
Language Technologies Institute
5000 Forbes Avenue
Gates Hillman Complex 5407
Pittsburgh, PA 15213

EDUCATION

Carnegie Mellon University, Pittsburgh, PA
Ph.D. candidate in Language and Information Technologies, School of Computer Science
Advisor: Noah A. Smith
Expected 2012

University of Pennsylvania, Philadelphia, PA
B.S.E. in Computer Science and Engineering, Minor: Mathematics
Summa Cum Laude
May 2004

RESEARCH EXPERIENCE

Carnegie Mellon University, August 2006 – Present
Graduate Research Assistant
Advisor: Noah A. Smith

Google, Inc., June – September 2009
Research Intern, Machine Translation Team
Host: Shankar Kumar

MIT Lincoln Laboratory, Lexington, MA, August 2004 – July 2006
Assistant Technical Staff, Advanced Concepts and Technology, Air and Missile Defense Division
Group Leader: Keh-Ping Dunn

University of Pennsylvania, Fall 2003 – Spring 2004
Senior Research Project: “Using Multiple Sequence Alignment to Improve Machine Translation”
Advisor: Aravind Joshi

PUBLICATIONS

Kevin Gimpel and Noah A. Smith. “Generative Models of Monolingual and Bilingual Gappy Patterns.” In *Proceedings of the Empirical Methods in Natural Language Processing Workshop on Statistical Machine Translation*, Edinburgh, UK, July 2011.

Chris Dyer, Kevin Gimpel, Jonathan H. Clark, and Noah A. Smith. “The CMU-ARK German-English Translation System.” In *Proceedings of the Empirical Methods in Natural Language Processing Workshop on Statistical Machine Translation*, Edinburgh, UK, July 2011.

Kevin Gimpel and Noah A. Smith. “Quasi-Synchronous Phrase Dependency Grammars for Machine Translation.” In *Proceedings of the Conference on Empirical Methods in Natural Language Processing*, Edinburgh, UK, July 2011.

Kevin Gimpel, Nathan Schneider, Brendan O'Connor, Dipanjan Das, Daniel Mills, Jacob Eisenstein, Michael Heilman, Dani Yogatama, Jeffrey Flanigan, and Noah A. Smith. “Part-of-Speech Tagging for Twitter: Annotation, Features, and Experiments.” In *Proceedings of the Annual Meeting of the Association for Computational Linguistics, companion volume*, Portland, OR, June 2011.

Kevin Gimpel, Dipanjan Das, and Noah A. Smith. “Distributed Asynchronous Online Learning for Natural Language Processing.” In *Proceedings of the Fourteenth Conference on Computational Natural Language Learning*, Uppsala, Sweden, July 2010.

Kevin Gimpel and Noah A. Smith. “Softmax-Margin CRFs: Training Log-Linear Models with Cost Functions.” In *Proceedings of the North American Chapter of the Association for Computational Linguistics Human Language Technologies Conference*, Los Angeles, CA, June 2010.

Mahesh Joshi, Dipanjan Das, Kevin Gimpel, and Noah A. Smith. “Movie Reviews and Revenues: An Experiment in Text Regression.” In *Proceedings of the North American Chapter of the Association for Computational Linguistics Human Language Technologies Conference*, Los Angeles, CA, June 2010.

Kevin Gimpel and Noah A. Smith. “Feature-Rich Translation by Quasi-Synchronous Lattice Parsing.” In *Proceedings of the Conference on Empirical Methods in Natural Language Processing*, Singapore, August 2009.

Kevin Gimpel and Noah A. Smith. “Cube Summing, Approximate Inference with Non-Local Features, and Dynamic Programming without Semirings.” In *Proceedings of the Conference of the European Chapter of the Association for Computational Linguistics*, Athens, Greece, March/April 2009.

Shay B. Cohen, Kevin Gimpel, and Noah A. Smith. “Logistic Normal Priors for Unsupervised Probabilistic Grammar Induction.” In *Advances in Neural Information Processing Systems 21*, 2008.

Kevin Gimpel and Noah A. Smith. “Rich Source-Side Context for Statistical Machine Translation.” In *Proceedings of the Association for Computational Linguistics Workshop on Statistical Machine Translation*, 2008.

TEACHING EXPERIENCE

Carnegie Mellon University

Teaching Assistant,

Language and Statistics II (Graduate), Fall 2008

Natural Language Processing (Undergraduate), Spring 2010

Professor: Noah Smith

University of Pennsylvania, Fall 2002 – Spring 2004 (4 semesters)

Teaching Assistant, *Mathematical Foundations of Computer Science I & II*

Professor: Max Mintz

PROFESSIONAL ACTIVITIES

Program committee member:

ACL 2010-12, NAACL 2012, EACL 2012, EMNLP 2010-11, NIPS 2011, WMT 2010-11,

COLING 2010, CoNLL 2011

HONORS

Best Presentation, 2011 Language Technologies Institute Student Research Symposium, for presentation titled “Quasi-Synchronous Phrase Dependency Grammars for Machine Translation”

Sandia National Laboratories Excellence in Science and Technology Fellowship, 2010-2012

Best Poster, 2008 Language Technologies Institute Student Research Symposium, for poster titled “Novel Semirings for Approximate Dynamic Programming with Non-Local Features”

Hertz Foundation Fellowship Finalist, 2007

Achievement Rewards for College Scientists (ARCS) Scholar, Carnegie Mellon University, 2006-2009

Hugo Otto Wolf Memorial Prize, 2004, Computer and Information Science Department, University of Pennsylvania

Dean’s List, University of Pennsylvania, 2000-2004

SKILLS

Natural languages: English (native), working knowledge of German

Programming languages: C/C++, Java, Perl, Matlab