

**KEELAN EVANINI**  
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**Employment**

06/2008 – 08/2008     *intern*, SpeechCycle, New York City  
Responsibilities:     developed a system to continuously generate and tune statistical grammars based on new calls to a call routing dialog system; created a web interface for evaluating dialog system performance; implemented a supervised learning procedure to automatically predict dialog system performance

06/2007 – 08/2007     *intern*, SpeechCycle, New York City  
Responsibilities:     compared classification algorithms and feature sets for call classification on a large corpus of customer utterances; tested the effects on performance of adding out-of-domain data to language models

06/2006 – 08/2006     *part-time programmer*, Linguistic Data Consortium, Philadelphia  
Responsibilities:     created a morphological analyzer for Bengali; increased the token coverage of an XML lexicon to 91% of a 500,000 word corpus

06/2005 – 08/2005     *research assistant*, University of Pennsylvania  
Responsibilities:     created an online dictionary for the Oaxacan language Huave using a MySQL database and a PHP web interface

09/1999 – 08/2001     *junior programmer*, Peritek Corporation, Oakland, CA  
Responsibilities:     system administration; wrote functions and demo programs in C for embedded graphics cards; software testing

**Education**

09/2004 – present     *Ph.D. candidate in Linguistics*, University of Pennsylvania  
(advisor, William Labov)  
Relevant courses:     machine learning, mathematical foundations of communication, mathematical foundations of natural language processing, corpus phonetics, computational linguistics, independent study on automatic dialect identification

05/2002                 *B.A, summa cum laude* (3.9 GPA), University of California, Berkeley, double-major in Linguistics and Classical Languages  
Relevant courses:     computational linguistics, Unix, C

**Honors and Awards**

Nominated for Penn Prize for Excellence in Teaching by Graduate Students (2006)

Phi Beta Kappa (2002)

Departmental Citation in Classics (UC Berkeley, 2002)

Congress/Bundestag scholarship for 1 year of study in Germany (1996/1997)

### **Publications**

*to appear*. The phonetic realization of pitch accent in Huave. *Proceedings of the 33<sup>rd</sup> Annual Berkeley Linguistics Society*.

*to appear*. K. Evanini, P. Hunter, J. Liscombe, D. Suendermann, K. Dayanidhi, R. Pieraccini. Caller Experience: A method for evaluating dialog systems and its automated prediction. *Proc. SLT 2008*.

*to appear*. D. Suendermann, J. Liscombe, K. Evanini, K. Dayanidhi, R. Pieraccini. C<sup>5</sup>. *Proc. SLT 2008*.

*to appear*. A shift of allegiance: The case of Erie and the North / Midland dialect boundary. *Selected Papers from NWAV 36*, University of Pennsylvania Working Papers in Linguistics, v. 14.2.

2007. K. Evanini, D. Suendermann & R. Pieraccini. Call classification for automated troubleshooting on large corpora. *Proc. ASRU 2007*.

2007. How to formalize variation: Stochastic OT models and /s/ deletion in Spanish. *Proceedings of LACUS 33*, Linguistic Association of Canada and the US.

2007. Book note for *American English: Dialects and variation*. *Language in Society* 36(1): 7–8.

2007. T. Cook & K. Evanini, editors. *Selected Papers from NWAV 35*, University of Pennsylvania Working Papers in Linguistics, v. 13.2.

2006. T. Wolford & K. Evanini. Features of AAVE as features of PRE: A study of adolescents in Philadelphia. *Selected Papers from NWAV 34*, University of Pennsylvania Working Papers in Linguistics, v. 12.2.

2005. K. Evanini & G. Nguyen, editors. *Selected Papers from NWAVE 32*, University of Pennsylvania Working Papers in Linguistics, v. 10.2.

### **Departmental Service (University of Pennsylvania)**

2005 – present            Editorial board, Penn Working Papers in Linguistics

2006 – 2008            President, Graduate Student Linguistics Club

Spring 2007            TA, Sociolinguistics

Spring 2006            TA, Historical Linguistics

Fall 2005                TA, Intro to Linguistics

### **Language Ability**

*speaking*: German (fluent), Spanish (advanced), Japanese (intermediate)

*reading*: Latin, Ancient Greek, Old Norse, French, Swedish

### **Computer Skills**

*programming languages*: C, Python, Perl, PHP, shell scripting

*statistical tools*: Excel, R, Matlab, Weka, MALLET

*speech and language processing tools*: HTK, NLTK, OSR, CMU SLM toolkit, Praat