

Daniel Jacob Gillick

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EMPLOYMENT **Google** (Mountain View, California)
Research Scientist *January 2011 - Present*

EDUCATION **University of California, Berkeley** (Berkeley, California)
Ph.D., Electrical Engineering and Computer Sciences, May 2011
Advisor: Professor Nelson Morgan
Major: Artificial Intelligence, Minor: Statistics
Thesis Topic: *Automatic Text Summarization*
GPA: 3.78/4.00

Wesleyan University (Middletown, Connecticut)
B.A., Computer Science and English, May 2003
With High Honors in Computer Science and English Literature
Honors Thesis Topic: *Authorship Attribution*
GPA: 3.85/4.00

AWARDS

- Irving and Lucile Smith Scholarship *UC Berkeley, 2011*
- Departmental Fellowship *UC Berkeley, 2005-2006*
- Phi Beta Kappa *Wesleyan University, 2003*
- Senior Prize in Computer Science *Wesleyan University, 2003*
- Christian A. Johnson Research Grant *Wesleyan University, 2002*
- Connecticut InfoTech Merit Scholarship *2000-2003*

TEACHING EXPERIENCE **University of California, Berkeley**
• CS 188: Introduction to Artificial Intelligence *Fall 2006, Spring 2009, Fall 2009*
Graduate Student Instructor. Helped design extensive programming projects; taught weekly sections with activities and demonstrations; held regular office hours; wrote exam and homework questions.

Wesleyan University

- MATH 112: Calculus I (Teaching Assistant) *Spring 2003*
- CS 223: Algorithms (Teaching Assistant) *Fall 2002*
- CS 212: Data Structures (Teaching Assistant) *Spring 2002*
- The Writer's Workshop (Writing Tutor) *2001-2002*

Met individually with students (often ESL) who wanted help with writing projects.

COMPETITIONS **Text Analysis Conference: Summarization Track**
International conference organized by the National Institute of Standards and Technology. Summaries submitted by each site are evaluated by professional annotators in a variety of categories. Our system was developed at the International Computer Science Institute in collaboration with the University of Texas, Dallas.

- 2009: **1st place** (52 total submissions)
- 2008: 10th place (45 total submissions)

SELECTED
CONFERENCE
PUBLICATIONS

- D. Gillick, L. Gillick, S. Wegmann, “Dont Multiply Lightly: Quantifying Problems with the Acoustic Model Assumptions in Speech Recognition” in *Automatic Speech Recognition and Understanding Workshop (ASRU)*, Kona, Hawaii, 2011.
- T. Berg-Kirkpatrick, D. Gillick, and D. Klein “Learning to Jointly Extract and Compress” in *Association for Computational Linguistics (ACL)*, Portland, OR, 2011.
- D. Gillick, “Can Conversational Word Usage be Used to Predict Demographics?” in *Interspeech*, Chiba, Japan, 2010.
- D. Gillick and Y. Liu, “Non-Expert Evaluation of Summarization Systems is Risky” in *North American chapter of the Association for Computational Linguistics (NAACL)*, Los Angeles, CA, 2010.
- D. Gillick and B. Favre, “A Scalable Global Model for Summarization” in *North American chapter of the Association for Computational Linguistics (NAACL)*, Boulder, CO, 2009.
- D. Gillick, “Sentence Boundary Detection and the Problem with the U.S.” in *North American chapter of the Association for Computational Linguistics (NAACL)*, Boulder, CO, 2009.
- D. Gillick, D. Hakkani-Tur, M. Levit, “Unsupervised Learning of Edit Parameters for Matching Name Variants” in *Interspeech*, Brisbane, Australia, 2008.
- J. Denero, D. Gillick, J. Zhang, D. Klein, “Why Generative Phrase Models Underperform Surface Heuristics”, *North American chapter of the Association for Computational Linguistics (NAACL)*, New York, NY, 2006.
- D. Gillick, B. Peskin, “Speaker Detection Without Models” in *IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP)*, Philadelphia, PA, 2005.

CONFERENCES
REFEREED

- IEEE Workshop on Spoken Language Technology (SLT) 2010
- International Conference on Computational Linguistics (COLING) 2010
- Meeting of the Association for Computational Linguistics (ACL) 2011

OTHER ACTIVITIES

- Editor, Berkeley Science Review 2006-2009
- Content Intern, KQED (San Francisco): QUEST Summer, 2009
- Columnist, ScientificBlogging.com 2008-2010
- Consultant, Natural Language Processing and Machine Learning 2006-2010
- Volunteer, Jewish Family and Children’s Services 2006-2010

PROGRAMMING

UNIX, Python, C, C++, Java, Perl, Matlab, R

REFERENCES

Nelson Morgan (morgan@icsi.berkeley.edu)
Steven Wegmann (swegmann@icsi.berkeley.edu)
Dan Klein (klein@cs.berkeley.edu)
Benoit Favre (benoit.favre@lif.univ-mrs.fr)
Yang Liu (yangl@hlt.utdallas.edu)