

Samuel R. Bowman, *Curriculum Vitae*

CONTACT INFORMATION Palo Alto, CA
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RESEARCH INTERESTS computational linguistics, natural language processing, phonology, optimality theory

EDUCATION **Stanford University**, Stanford, California USA
PhD, Linguistics, 2011–2016

The University of Chicago, Chicago, Illinois USA

BA/MA, Linguistics, 2007–2011
with coursework in computer science, math, statistics, and foreign languages
Thesis: *Vowel Harmony, Opacity, and Finite-State OT*
Advisor: Jason Riggle

The Johns Hopkins University, Baltimore, Maryland USA

Summer School on Human Language Technology, 2010

Independent Travel and Photography

2006–2007

Lowell High School (public magnet), San Francisco, California USA

Diploma, 2002–2006

Youth for Understanding, Toyonaka, Osaka-fu, Japan

Exchange program, 2004

RESEARCH EXPERIENCE **The University of Chicago**, Chicago, Illinois USA

Research Assistant **November, 2009–August, 2011**
Worked with Professor Karen Livescu (TTI-C) and the Chicago Language Modeling Lab on research programming.

Research Assistant **June–August, 2011 and June–September, 2009**
Coded video data and archived media for research on childhood gesture acquisition for the Susan Goldin-Meadow Lab (focus on gesture and language acquisition, Department of Psychology).

Research Assistant **June–September, 2009**
Compiled and summarized language data, and wrote R scripts for research under Professor Steven Clancy.

The Johns Hopkins University, Baltimore, Maryland USA

Research Assistant **June, 2010–July, 2010**
Implement and experiment on pronunciation variation models within a novel SCRF-based speech

recognition model as part of Geoff Zweig's (Microsoft Research) Center for Language and Speech Processing summer workshop team.

HONORS AND
AWARDS

Google European Doctoral Fellowship in Speech Technology, 2011
(*declined: offer was made after I had enrolled in a US PhD program*)
Phi Beta Kappa, The University of Chicago, 2011
College Honors, The University of Chicago, 2011
National Merit Scholar, 2007-2011
Fellowship for the Johns Hopkins University Summer School in Human Language Technology, 2010

CONFERENCE
PRESENTATIONS

Under submission. Samuel Bowman and Harshit Chopra. Automatic Animacy Hierarchy Tagging. 2011. Geoffrey Zweig, Les Atlas, Kris Demuynck, Fei Sha, Patrick Nguyen, Dirk van Compernelle, Damianos Karakos, Pascal Clark, Meihong Wang, Gregory Sell, Samuel Thomas, Samuel Bowman and Justine Kao. Speech recognition with segmental conditional random fields: A summary of the JHU CLSP 2010 Summer Workshop. *Proceedings of The 36th International Conference on Acoustics, Speech and Signal Processing*. IEEE. Prague, Czech Republic.
2010. Samuel Bowman and Karen Livescu. Context Dependent Feature-Based Pronunciation Modeling. *Proceedings of Interspeech 2010*. Makuhari, Japan.

TECHNICAL
REPORTS

2011. Samuel Bowman. Vowel Harmony, Opacity, and Finite-State OT. The University of Chicago Department of Computer Science. TR-2011-03

SOFTWARE
PACKAGES

2011. Jason Riggle, Max Bane, and Samuel Bowman. *PyPhon*. <http://clml.uchicago.edu>

TECHNICAL SKILLS

C++, Java, MATLAB, Perl, Python, R, HTML(5)/CSS, Linux/UNIX shell scripting, L^AT_EX; digital photography and graphics (Adobe Photoshop, Illustrator, Lightroom), page layout (Quark, InDesign).

LANGUAGES

English, Chinese, Japanese, Georgian, German (reading)

OTHER
EXPERIENCE

The University of Chicago, Chicago, Illinois USA

Scav Hunt **2008–present**
Jointly organize the world's largest scavenger hunt.

Chicago Weekly **2007–2011**
Report, photograph and design for a small student-run publication covering under-reported areas of Chicago's South Side.

Residence Halls and Commons **2009 –2010**
Plan and prepare a menu for a 50-90 person student reception weekly.

Humanities Computing

2008–2009

Build and maintain departmental and faculty web sites in HTML and CSS.