

ACADEMIC POSITIONS

2020-present Assistant Professor of Linguistics Northwestern University
Faculty Affiliations: Institute for Policy Research, Cognitive Science Program

EDUCATION

2019-2020 Postdoctoral Scholar in Computer Science Stanford University
Advisor: Dan Jurafsky

2014-2019 Ph.D. in Linguistics Stanford University
Dissertation: *Computational Linguistic Models of Police-Community Interaction*
Committee: Dan Jurafsky (chair), John R. Rickford, Penelope Eckert,
Robert J. Podesva, Jennifer L. Eberhardt

2011-2013 M.A. in East Asian Studies Stanford University
Thesis: *Computational Linguistics for Literature: Case Studies in Chinese*
Advisor: Dan Jurafsky

2010-2011 Fulbright Scholar in Translation Theory National Taiwan Normal University

2009 Graduate Certificate in China Studies The Hopkins-Nanjing Center

2008 B.A. in Chinese, with Departmental and General Honors. Vassar College

AWARDS

2018 Cialdini Prize for “an outstanding contribution that uses field methods and demonstrates relevance to outside groups,” Society for Personality and Social Psychology

2017 Cozzarelli Prize for Best Paper in the Behavioral and Social Sciences, Proceedings of the National Academy of Sciences

2016-2019 Michelle and Kevin Douglas Stanford Interdisciplinary Graduate Fellowship, Stanford University

2014-2016 Jeanne and Bud Milligan Fellowship in Humanities and Sciences, Stanford University

2014 2nd Place Best Paper, Speech Prosody 7

2012 Adolph Sutro Fellowship for Graduate Study, Vassar College

2011-2012 Foreign Languages and Area Studies Fellowships, Chinese (2011) and Japanese (2012), Stanford University

2008 Michael W. and Christa Gubener Percopo Fellowship, The Hopkins-Nanjing Center

2007 Frances W. Pick Fellowship, Vassar College

2006 Freeman-ASIA Summer Award (Chinese), Institute of International Education

PUBLICATIONS

- 2019 Dorottya Demszky, Nikhil Garg, **Rob Voigt**, James Zou, Matthew Gentzkow, Jesse Shapiro, and Dan Jurafsky. *Analyzing Polarization in Social Media: Method and Application to Tweets on 21 Mass Shootings*. Proceedings of the Annual Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies (NAACL-HLT).
- 2018 **Rob Voigt**, David Jurgens, Vinodkumar Prabhakaran, Dan Jurafsky, and Yulia Tsvetkov. 2018. *RtGender: A Corpus of Responses to Gender for Studying Gender Bias*. Proceedings of the Language Resources and Evaluation Conference (LREC).
- 2017 **Rob Voigt**, Nicholas P. Camp, Vinodkumar Prabhakaran, William L. Hamilton, Rebecca C. Hetey, Camilla M. Griffiths, David Jurgens, Dan Jurafsky, and Jennifer L. Eberhardt. 2017. *Language from police body camera footage shows racial disparities in officer respect*. Proceedings of the National Academy of Sciences (PNAS) 114 (25), 6521-6526. *Cozzarelli Prize. Cialdini Prize*.
- 2016 **Rob Voigt**, Penelope Eckert, Dan Jurafsky, and Robert J. Podesva. 2016. *Cans and cants: Computational potentials for multimodality with a case study in head position*. Journal of Sociolinguistics 20 (5), 677-711.
- Rob Voigt**, Dan Jurafsky, and Meghan Sumner, 2016. *Between- and Within-Speaker Effects of Bilingualism on F0 Variation*. Proceedings of Interspeech 2016, 1122-1126.
- 2015 **Rob Voigt** and Dan Jurafsky, 2015. *The Users Who Say "Ni": Audience Identification in Chinese-language Restaurant Reviews*. Proceedings of the 53rd Meeting of the Association of Computational Linguistics (ACL), Short Papers, 314-319.
- Robert J. Podesva, Patrick Callier, **Rob Voigt**, and Dan Jurafsky, 2015. *The Connection Between Smiling and GOAT Fronting: Embodied Affect in Sociophonetic Variation*. Proceedings of the International Congress of Phonetic Sciences 18.
- 2014 Mengqiu Wang, **Rob Voigt**, and Christopher D. Manning, 2014. *Two Knives Cut Better Than One: Chinese Word Segmentation with Dual Decomposition*. Proceedings of the 52nd Meeting of the Association of Computational Linguistics (ACL), Short Papers, 193-198.
- Rob Voigt**, Robert J. Podesva and Dan Jurafsky, 2014. *Speaker Movement Correlates with Prosodic Indicators of Engagement*. Proceedings of Speech Prosody 7, 70-74. *2nd Place Best Paper*.
- 2013 Spence Green, Daniel Cer, Kevin Reschke, **Rob Voigt**, John Bauer, Sida Wang, Natalia Silveira, Julia Neidert, and Christopher D. Manning, 2013. *Feature-Rich Phrase-based Translation: Stanford University's Submission to the WMT 2013 Translation Task*. Proceedings of the Eighth Workshop on Statistical Machine Translation (WMT 2013), 148-153.
- Rob Voigt** and Dan Jurafsky, 2013. *Tradition and Modernity in 20th Century Chinese Poetry*. Proceedings of the North American Association for Computational Linguistics (NAACL) Second Workshop on Computational Linguistics for Literature, 17-22.
- 2012 **Rob Voigt** and Dan Jurafsky, 2012. *Towards a Literary Machine Translation: The Role of Referential Cohesion*. Proceedings of the North American Association for Computational Linguistics (NAACL) Workshop on Computational Linguistics for Literature, 18-25.

PRESENTATIONS

- 2018 Yulia Tsvetkov, Vinodkumar Prabhakaran, and **Rob Voigt**, “**Socially Responsible Natural Language Processing**.” Tutorial Presentation, North American Association for Computational Linguistics. June 2018, New Orleans, Louisiana.
- Rob Voigt**, “Implicit Attitudes, NLP, and the ‘Real World’.” Invited Talk, Berkeley NLP Seminar. March 2018, Berkeley, California.
- 2016 **Rob Voigt**, Dan Jurafsky, and Meghan Sumner, “Between- and Within-Speaker Effects of Bilingualism on F0 Variation.” Poster presentation, Interspeech. September 2016, San Francisco, California.
- 2015 **Rob Voigt** and Dan Jurafsky. “The Users Who Say ‘Ni’: Audience Identification in Chinese-language Restaurant Reviews.” Poster presentation, Association for Computational Linguistics Annual Meeting. June 2015, Beijing, China.
- Robert J. Podesva, Patrick Callier, **Rob Voigt**, and Katherine Hilton. “The voice embodied: Bringing the quantitative analysis of body movement into the study of phonation.” Poster presentation, New Ways of Analyzing Variation (NWAV). October 2015, Toronto, Canada.
- 2014 Mengqiu Wang, **Rob Voigt** and Christopher D. Manning. “Two Knives Cut Better Than One: Chinese Word Segmentation with Dual Decomposition.” Poster presentation, Association for Computational Linguistics Annual Meeting. June 2014, Baltimore, Maryland.
- Rob Voigt**, Robert J. Podesva, and Dan Jurafsky. “Speaker Movement Correlates with Prosodic Indicators of Engagement.” Oral presentation, Speech Prosody 7. May 2014, Trinity College, Dublin, Ireland.
- 2013 **Rob Voigt** and Dan Jurafsky. “Tradition and Modernity in 20th Century Chinese Poetry.” Oral presentation, NAACL Computational Linguistics for Literature Workshop. Atlanta, Georgia.
- 2012 **Rob Voigt**. “Coreference at Stanford (with Steps Towards a Smarter MT).” Invited talk, Tsinghua University Natural Language Processing Group. August 2012, Beijing, China.
- Rob Voigt** and Dan Jurafsky. “Towards a Literary Machine Translation: The Role of Referential Cohesion.” Oral presentation, NAACL Workshop on Computational Linguistics for Literature. June 2012, Montreal, Québec, Canada.
- Rob Voigt**. “Instantiating Theory: On the Necessity and Prospects of a Computational Approach to Large-Scale Literary Studies.” Oral presentation, American Comparative Literature Association Annual Meeting. March 2012. Brown University; Providence, Rhode Island.

TEACHING

- Spring 2020 Instructor, *Introduction to Programming and Text Processing for Linguists*, Northwestern University
- 2018 Teaching Assistant, *From Language to Information*, with Dan Jurafsky, Stanford University
- 2018 Research Mentor, *AI4ALL Summer Program*, Stanford University
- 2016 Teaching Assistant, *Language and Gender*, with Penelope Eckert, Stanford University
- 2015-2016 Linguistics Corpus Teaching Assistant, with Christopher D. Manning, Stanford University

ACADEMIC SERVICE

- 2018 Co-organizer, *ACL Student Research Workshop*. Association for Computational Linguistics (ACL) 2018, Melbourne, Australia.
- 2018 Co-organizer, *Second Workshop on Abusive Language Online*. Empirical Methods in Natural Language Processing (EMNLP) 2018, Brussels, Belgium.
- 2015-2016 Graduate Student Representative, Stanford Linguistics
- 2015-2016 Student Member, Faculty Senate Committee on Research, Stanford University
- 2014-present Program Committee Member and Reviewer for ACL, EMNLP, NAACL, EACL, LREC, COLING; workshops on Computational Linguistics for Literature, Ethics in NLP, Coreference Beyond Ontonotes, Abusive Language Workshop
- Standing reviewer, *Computational Linguistics*

SKILLS

- Computational* Python (TensorFlow, PyTorch, scikit-learn, pandas, numpy), Java, C++, L^AT_EX, Unix
 Natural language processing, text mining, machine learning, computer vision, neural networks
 Web development with Python, JavaScript, HTML5 (for example, nlp.stanford.edu)
- Natural Languages* MANDARIN CHINESE · Fluent JAPANESE · Advanced
 HOKKIEN CHINESE · Basic SPANISH · Basic

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