

# Kyle Gorman

Curriculum vitae

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## Education

Postdoctoral fellow, Center for Spoken Language Understanding, Oregon Health & Science University, Portland, OR, 2013.

Ph.D., Linguistics, University of Pennsylvania, Philadelphia, PA, 2013.

B.A., Linguistics, University of Illinois at Urbana-Champaign, Urbana, IL, 2006.

## Employment

Software engineer, Google, Inc., New York, NY, 2015–present.

Assistant professor, Center for Spoken Language Understanding, Oregon Health & Science University, Portland, OR, 2014–2015.

## Publications

### Refereed journal articles

2017. H. MacFarlane, K. Gorman, R. Ingham, A. Presmanes Hill, K. Papadakis, G. Kiss, & J. van Santen. Mazers in children with autism spectrum disorders or language impairment. *PLOS ONE* 12(3): e0173936.

2016. G. Fergadiotis, K. Gorman, & S. Bedrick. Algorithmic classification of five characteristic types of paraphasias. *American Journal of Speech-Language Pathology* 25(4S): S776–S787.

2016. K. Gorman & R. Sproat. Minimally-supervised number normalization. *Transactions of the Association for Computational Linguistics* 4: 507–519.

2016. K. Gorman, L. Olson, A. Presmanes Hill, R. Lunsford, P. Heeman, & J. van Santen. *Uh* and *um* in children with autism spectrum disorders or language impairment. *Autism Research* 9(8): 854–865.

2015. A. Presmanes Hill, J. van Santen, K. Gorman, B. Langhorst, & E. Fombonne. Memory in language-impaired children with and without autism. *Journal of Neurodevelopmental Disorders* 7: 19.

2013. L. Hinrichs, A. Bohmann, & K. Gorman. Real-time trends in the Texas English vowel system: F2 trajectory in GOOSE as an index of a variety's ongoing delocalization. *Rice Working Papers in Linguistics* 4.

2011. K. Gorman, J. Howell, & M. Wagner. Prosodylab-Aligner: A tool for forced alignment of laboratory speech. *Journal of the Canadian Acoustical Association* 39(3): 192–193.

2011. J. Fruehwald & K. Gorman. Cross-derivational feeding is epiphenomenal. *Studies in the Linguistic Sciences* 2011: 36–50.

## Chapters

In press. K. Gorman & C. Yang. When nobody wins. In F. Rainer, F. Gardani, H. C. Luschützky & W. U. Dressler (ed.), *Competition in inflection and word formation*. Dordrecht: Springer.

2013. K. Gorman & D. E. Johnson. Quantitative analysis. In R. Bayley, R. Cameron & C. Lucas (ed.), *The Oxford handbook of sociolinguistics*, 214–240. Oxford: Oxford University Press.

## Conference proceedings

2017. A. Ng., K. Gorman, & R. Sproat. Minimally supervised written-to-spoken text normalization. In *Proceedings of ASRU*, 665–670.

2017. J. Adams, S. Bedrick, G. Fergadiotis, K. Gorman, & J. van Santen. Target word prediction and paraphasia classification in spoken discourse. In *Proceedings of the ACL Workshop on Biomedical Natural Language Processing*, 1–8.

2016. K. Gorman. Pynini: A Python library for weighted finite-state grammar compilation. In *Proceedings of the ACL Workshop on Statistical NLP and Weighted Automata*, 75–80.

2015. K. Gorman, S. Bedrick, G. Kiss, M. Mohammed, R. Ingham, K. Papadakis, & J. van Santen. Automated morphological analysis of clinical language samples. In *Proceedings of the 2nd Workshop on Computational Linguistics and Clinical Psychology*, 108–116.

2014. M. Lehr, K. Gorman, & I. Shafran. Discriminative pronunciation model for dialectal speech recognition. In *Proceedings of INTERSPEECH*, 1458–1462.

2012. C. Lignos & K. Gorman. Revisiting frequency and storage in morphological processing. *Proceedings of the 48th annual meeting of the Chicago Linguistic Society*, 447–461.

2012. K. Gorman. Rhotacism in Latin. In *Proceedings of the 48th annual meeting of the Chicago Linguistic Society*, 279–293.

2011. K. Gorman. A program for phonotactic theory. In *Proceedings of the 47th annual meeting of the Chicago Linguistic Society*, 79–93.

2010. K. Gorman. The consequences of multicollinearity among socioeconomic predictors of negative concord in Philadelphia. In M. Lerner, ed., *U. Penn Working Papers in Linguistics 16.2: Selected papers from NWAV 38*, 66–75.

2007. C. Lai, K. Gorman, J. Yuan, & M. Liberman. Perception of disfluency: Language differences and listener bias. In *Proceedings of INTERSPEECH*, 2345–2348.

## Manuscripts in preparation

K. Gorman, G. Mazovetskiy, & V. Nikolaev. Minimally supervised homograph disambiguation.

K. Gorman & P. Bryan. Sex differences in English irregular verb acquisition.

K. Gorman. Structural and accidental phonotactic gaps.

## **Grants**

2014. NIH R21DC014099: Co-construction of lexica in primary progressive aphasia (M. Fried-Oken, PI).

2011. NIH R01DC012033, Computational characterization of language use in autism (J. van Santen, PI).

## **Patents**

2017. R. Sproat, K. Wu, & K. Gorman. Semiotic class normalization. U.S. Patent 9,852,123.

## **Invited talks**

2017. Stony Brook University, November 29.

2016. University of Texas at Austin, November 28.

2014. McGill University, May 10.

2013. University of Connecticut, Storrs, October 16.

2013. University of Oregon, April 2.

2013. Reed College. January 31.

2012. Oregon Health & Science University. June 13.

2011. University of Chicago. October 14.

2011. Hunter College. September 9.

2011. New York University. March 4.

2011. University of California, Santa Cruz. February 10.

2011. Concordia University. February 4.

## **Teaching**

### **Graduate teaching**

Natural Language Processing, Oregon Health & Science University.

Research Programming (with A. Kain), Oregon Health & Science University.

### **Undergraduate teaching**

TA, Introduction to Linguistics, University of Pennsylvania.

TA, Writing Systems, University of Pennsylvania.

## Professional service

Reviewer for ACL, ICASSP, INTERSPEECH, NSF, OUP, *Cognition*, *Cognitive Science*, *Computational Linguistics*, *Journal of Linguistics*, *Language*, *Language Variation & Change*, *Lingua*, *Phonology*, *PLOS ONE*.

## Professional affiliations

Linguistics Society of America

Association for Computational Linguistics

Institute of Electrical and Electronics Engineers

## References

Charles Yang. Professor, Departments of Linguistics, Computer Science, & Psychology, University of Pennsylvania. 3401C Walnut St., Philadelphia, PA 19104. Tel. +1 215-898-7849. [charles.yang@ling.upenn.edu](mailto:charles.yang@ling.upenn.edu)

Richard Sproat. Research scientist, Google, Inc. 111 8th Ave., New York, NY 10011. Tel. +1-212-565-0000. [rws@google.com](mailto:rws@google.com)

Chandan Narayan. Associate professor, Department of Languages, Literatures, & Linguistics, York University. 4700 Keele St., Toronto, ON M3J 1P3. Tel. +1-416-816-8553 (x33791). [chandann@yorku.ca](mailto:chandann@yorku.ca)

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