Kyle Gorman

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RESEARCH

Speech & language technology, especially text normalization; phonology; morphology; language acquisition; language disorders

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.

EDUCATION

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

Doctor of Philosophy, Linguistics, University of Pennsylvania, Philadelphia, PA, 2013.

Bachelor of Arts, Linguistics, University of Illinois at Urbana-Champaign, Urbana, IL, 2006.

PEER-REVIEWED ARTICLES

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

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, 2016.

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, 2015.

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, 2013.

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, 2011.

CHAPTERS

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, in press.

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, 2013.

PROCEEDINGS PAPERS

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*, in press.

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, 2016.

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, 2015.

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

C. Lignos & K. Gorman. Revisiting frequency and storage in morphological processing. *Procedings 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, 2012.

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

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, 2010.

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

GRANT SUPPORT

NIH (NIDCD) 1R21DC014099: Co-construction of lexica in primary progressive aphasia (M. Fried-Oken, PI).

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

TEACHING

Natural Language Processing, Oregon Health & Science University.

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

TA, Introduction to Linguistics, University of Pennsylvania.

TA, Writing Systems, University of Pennsylvania.

INVITED TALKS

McGill University (5/10/14), University of Connecticut, Storrs (10/16/13), University of Oregon (4/2/13), Reed College (1/31/13), Oregon Health & Science University (6/13/12), University of Chicago (10/14/11), Hunter College (9/9/11), New York University (3/4/11), University of California, Santa Cruz (2/10/11), Concordia University (2/4/11).

REFEREEING

ACL (etc.), ICASSP, INTERSPEECH, NSF, OUP, *Cognition*, *Cognitive Science*, *Journal of Linguistics*, *Language*, *Language Variation & Change*, *Lingua*, *Phonology*, *PLOS ONE*.

OTHER

Erdős number: 4