

NAJOUNG KIM

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237 Krieger Hall, Johns Hopkins University
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EDUCATION **Johns Hopkins University** 2016-current
Ph.D., Cognitive Science
Advisors: Paul Smolensky and Kyle Rawlins

University of Oxford 2014-2015
MSt, General Linguistics & Comparative Philology Distinction
Concentration & Thesis focus: Computational Linguistics

Seoul National University 2009-2013
B.A. English Linguistics & Literature Summa Cum Laude
B.A. Linguistics (double major)
Minor: Computer Science & Engineering

PUBLICATIONS **Najoung Kim**, Kyle Rawlins, Benjamin Van Durme and Paul Smolensky. "Predicting Argumenthood of English Preposition Phrases." arXiv:1809.07889v2 (under review)

Najoung Kim, Kyle Rawlins and Paul Smolensky. "Motivating gradient symbolic blends—case of English preposition phrases." (in preparation)

Najoung Kim, Jung-Ho Kim, Maria K. Wolters, Sarah E. MacPherson, and Jong C. Park. "Automatic Scoring of Semantic Fluency." (in preparation)

Maria K. Wolters, **Najoung Kim**, Jung-Ho Kim, Sarah E. MacPherson, and Jong C. Park. "Prosodic and Linguistic Analysis of Semantic Fluency Data: A Window into Speech Production and Cognition," *Interspeech*, 2016. [doi] [pdf]

Jung-Ho Kim, **Najoung Kim**, Hancheol Park. and Jong C. Park. "Enhanced Sign Language Transcription System via Hand Tracking and Pose Estimation," *Journal of Computing Science and Engineering* vol 10.3, 2016.

Najoung Kim and Jong C. Park. "A Morphological Approach to the Longitudinal Detection of Dementia," *Proceedings of HCI Korea 2016, The HCI Society of Korea*, 2016. [link] [pdf]

PRESENTATIONS / POSTERS **Najoung Kim**, Benjamin Van Durme, Ellie Pavlick and Paul Smolensky. "Linguistically informed tasks for evaluating structure encoded by sentence representations," *WeCNLP Summit*, Facebook HQ, Menlo Park, CA, Sep 2018. [poster] [slides]

Najoung Kim, Kyle Rawlins, and Paul Smolensky. "A gradient blend analysis of English PP verbal dependents," *Conference on Interdisciplinary Approaches to Linguistic Theory (CiALT) 2*, Berlin, Oct 2018. [abstract]

Najoung Kim, Kyle Rawlins, and Paul Smolensky. "A gradient blend analysis of

English PP verbal dependents," *Acceptability judgments in current linguistic theory*, Universitat Autònoma de Barcelona, Oct 2018. [slides]

Najoung Kim, Jung-Ho Kim, Maria K. Wolters, Sarah E. MacPherson, and Jong C. Park. "Approximating the Semantic Structures behind Category Fluency Sequences," *MACSIM 6 at CUNY*, New York, Oct 2016. [abstract]

TALKS / TUTORIALS

Semantic Role Labeling tutorial (with Diego Marcheggiani and Michael Roth)
Tutorial at EMNLP 2017, Copenhagen, Sep 2017.

"Detection and Categorisation of Neograms in Korean Text (+a),"
Talk, Ertegun House, Oxford, 2015.

"Corpus Tools: Past, Present, and Future,"
Talk & Event Organiser (Guest speaker: Laurence Anthony),
Ertegun House, Oxford, 2015.

EXPERIENCES

Graduate student researcher Jun-Aug 2018

The Fifth Frederick Jelinek Memorial Summer Workshop (JSALT)

- General-purpose Sentence Representation Learning team (PIs: Sam Bowman, Ellie Pavlick)
- Designed linguistically-informed probing tasks for interpretability of sentence representations learned by neural networks

Visiting researcher 2015-2016

*NLP*CL Lab, School of Computing, Korea Advanced Institute of Science and Technology*

- Computational semantics
- Modeling diachronic changes in productive language use to aid early diagnosis of mild cognitive impairment
- Dynamic clustering with fluid category boundaries for improved performance measures in Category Fluency Tasks
- Corpus annotation for gene-depression relations

Intern developer 2013-2014

Knowledge Extraction Team (Former NLP Team), NAVER Corporation

- Developed an article suggestion algorithm for search autocomplete
- Worked on question/keyword detection
- Worked on identifying domained queries and query patterns that require specific answers
- Translated and summarized AI-related papers

Trainee developer 2013

NHN Software Membership

- Received professional education in software development
- Led a group project developing a functioning web-based service
- Awarded for overall performance

AWARDS

Owen Scholarship 2016-2019
Johns Hopkins University

Mica and Ahmet Ertegun Graduate Scholarship Programme in the Humanities 2014-2015
Full scholarship for Master's degree (University of Oxford)

	Department Assistant 2013-2014 Scholarship position (Department of English Lit. & Ling. at SNU)
	SNU Undergraduate Research Program 2013 Grant for selected undergraduate research proposals <ul style="list-style-type: none"> • Conducted an independent research project on productivity quantification • Research grant (\$3000)
	Foundation Funds Scholarship 2013 SNU Superior Academic Performance Scholarship 2010-2011 Awarded for academic performance
TEACHING	Spring 2018, TA for Foundations of Cognitive Science (with Paul Smolensky) <ul style="list-style-type: none"> • Led class discussion for graduate and undergraduate sections • Provided feedback on weekly assignments Fall 2017, TA for Semantics I (with Kyle Rawlins) <ul style="list-style-type: none"> • Led weekly review sessions Spring 2017, TA for Language and Advertising (with Kyle Rawlins) Winter 2014, Tutor for Samsung Convergence Software Course, SNU <ul style="list-style-type: none"> • Led help sessions for CS undergraduates and double-major/minor students • Guest lecture: 'Introduction to Python'
THESES	"Automatic Detection and Classification of Neograms in Korean Text," MSt thesis, University of Oxford, 2015. (Advisors: Ash Asudeh, Stephen Pulman) "A Research on Productivity Quantification Through Web-based Corpus Construction and Analysis on Korean Derivational Affixes," B.A. dissertation, Department of Linguistics, Seoul National University, 2013. (Advisor: Jongho Jun; project funded by SNU Undergraduate Research Program) "Verbal Structures of English Genitive Constructions Containing Deverbal Nouns," B.A. dissertation, Department of English Linguistics & Literature, Seoul National University, 2013. (Advisor: Heok-Seung Kwon)
COMPUTER SKILLS	Python, R, Java, HTML (proficient) C, Scheme/Racket, OCaml (basic) PyTorch
LANGUAGES	Korean (native); English (near-native); Spanish (intermediate, DELE Intermedio); Japanese (reading knowledge, JLPT N1)
PROFESSIONAL MEMBERSHIP	Linguistic Society of America Association for Computational Linguistics
PROFESSIONAL SERVICE	Reviewer for EMNLP 2018

VOLUNTEER WORK	Colloquium student committee	2018
	<i>Department of Cognitive Science, Johns Hopkins University</i>	
	Peer tutor	2011
	<i>Seoul National University</i>	
	<ul style="list-style-type: none"> • Taught 1st and 2nd year students English 	
	English tutor	2010
	<i>Youngnak High School</i>	
	<ul style="list-style-type: none"> • Taught high school students English grammar 	