

NAJOUNG KIM

n.kim@jhu.edu / najoungkim.github.io
237 Krieger Hall, Johns Hopkins University
3400 N Charles Street, Baltimore, MD, USA 21218

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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 (submitted, 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.

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.

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

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.

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.

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.

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.

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)

TEACHING

Spring 2018, TA for Foundations of Cognitive Science (with Paul Smolensky)

- Led class discussion for graduate and undergraduate sections
- Provided feedback on weekly assignments

Fall 2017, TA for Semantics I (with Kyle Rawlins)

- Led weekly review sessions

Spring 2017, TA for Language and Advertising (with Kyle Rawlins)

Winter 2014, Tutor for Samsung Convergence Software Course, SNU

- Led help sessions for CS undergraduates and double-major/minor students
- Guest lecture: 'Introduction to Python'

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
- Language modeling 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 summarised 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

- 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

COMPUTER SKILLS Python, R, Java, HTML (proficient)
C, Scheme, 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 	