

# SANGHEE J. KIM

Curriculum vitae: 05/2023

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| <b>Address</b> | Department of Linguistics,<br>The University of Chicago<br>1115 E. 58th Street,<br>Rosenwald Hall, Room 203<br>Chicago, IL 60637 | <b>Email</b>   | <a href="mailto:sangheekim@uchicago.edu">sangheekim@uchicago.edu</a> |
|                |  | <b>Website</b> | <a href="https://sangheekim.net">https://sangheekim.net</a>          |

## Research Interests

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| Fields | Psycholinguistics; Computational Linguistics                  |
| Topics | Language processing and understanding; Discourse and dialogue |

## Education

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| 2018 – Present | <b>The University of Chicago</b> , Chicago, IL<br>Ph.D. in Linguistics (Expected 06/2024)<br>Committee: Ming Xiang (Chair), Allyson Ettinger, Chris Kennedy, & Monica Do<br>Supported by NSF Doctoral Dissertation Research Improvement Grant (BCS-2214437)                           |
| Summer 2023    | <b>New York University</b> , New York, NY<br>Visiting academic, Center for Data Science   |
| 2020           | <b>The University of Chicago</b> , Chicago, IL<br>M.A. in Linguistics<br>Project title: <i>Questioning, asserting and making an order without a verb in Korean</i><br>Readers: Anastasia Giannakidou & Chris Kennedy  |
| 2017           | <b>Seoul National University</b> , Seoul, Korea<br>M.A. in English Language and Literature (Major: Second Language Acquisition)<br>Thesis: <i>Real-time processing of English articles by Korean EFL learners</i><br>Committee: Mi-Jeong Song (Chair), Chang-Yong Sohn & Sung-Eun Lee |
| 2015           | <b>Hanyang University</b> , Seoul, Korea<br>B.A. in English Language Education, <i>summa cum laude</i><br>Secondary School Teacher Certificate (English), Ministry of Education, Korea  |

## Grants/Fellowships and Awards

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|             | <b>EXTERNAL</b>   |
| 2022 – 2024 | National Science Foundation (NSF) Doctoral Dissertation Research Improvement Grant (BCS-2214437), Project title: <i>The interaction of discourse status and memory retrieval in real time language processing</i> (\$16,814); Co-PI with Dr. Ming Xiang |
| 2023        | Honorable Mention for the <b>Gibson/Fedorenko Young Scholar Award</b> , Conference on Human Sentence Processing 2023  |
| 2022        | Honorable Mention for the <b>Gibson/Fedorenko Young Scholar Award</b> , Conference on Human Sentence Processing 2022  |
| 2020        | Seoul National University Alumni Fellowship, Seoul National University Alumni Association of the Chicago Area (\$2,000)   |
| 2019        | The James McCawley Fellowship (1 nomination worldwide; Declined)  |

## THE UNIVERSITY OF CHICAGO

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| 2023 – 2024 | Franke Institute for the Humanities Residential Dissertation Completion Fellowship (4 nomination in the Division) |
| 2023 – 2024 | Mellon Foundation University of Chicago Dissertation Completion Fellowship (Declined)                             |
| 2021 – 2023 | Student Coordinator Fellowship, Council of Advanced Studies (\$2,000)   |
| 2021        | Council of Advanced Studies Graduate Student Research Grant (\$2,450)   |
| 2019 – 2021 | Graduate Research Aid Initiative in Linguistics Award (Yearly)  |

## SEOUL NATIONAL UNIVERSITY

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|-------------|---|
| 2016        | Best Student Paper Award, Department of English Language and Literature |
| 2015 – 2016 | Samsung Electronics Development Fund Scholarship (Yearly)               |
| 2015 – 2016 | Graduate Student Instructor Fellowship, College of Humanities (Yearly)  |

## HANYANG UNIVERSITY

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| 2014        | Best Student Teacher Award (Teaching Practicum)                |
| 2011 – 2014 | Academic Excellence Scholarship, College of Education (Yearly) |
| 2012        | Global Frontiers Award (1st place) (1,000,000 KRW (~\$1,000))  |
| 2012        | Global Frontiers Travel Grant (3,000,000 KRW (~\$3,000))       |

## Publications

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### WORK IN PROGRESS

**Sanghee J. Kim** & Ming Xiang. Memory encoding of discourse structure information in real time: Through the lens of pronoun resolution.

Lalchand Pandia, Lucas Fagen, **Sanghee J. Kim**, & Allyson Ettinger. Do Natural Language Inference models understand monotonicity reasoning?.

Jinyoung Jo\*, **Sanghee J. Kim**\*, Juyeon Cho\*, & Sun-ah Jun. Detecting silent ambiguity with intonation. (\* = Co-first authorship)

### PEER-REVIEWED JOURNAL ARTICLES AND CONFERENCE PROCEEDINGS

|      |   |
|------|---|
| 2022 | <b>Sanghee J. Kim</b> , Lang Yu & Allyson Ettinger. “No, they did not”: Dialogue response dynamics in pre-trained language models. In <i>Proceedings of the 29th International Conference on Computational Linguistics (COLING)</i> , 863–874.                                  |
| 2022 | Aurora Martinez del Rio*, Casey Ferrara*, <b>Sanghee J. Kim</b> *, Emre Hakgüder & Diane Brentari. Identifying the correlations between the semantics and the phonology of ASL and BSL: A vector space approach. <i>Frontiers in Psychology</i> , 13. (* = Co-first authorship) |
| 2021 | <b>Sanghee Kim</b> . ‘Call-back’ speech acts: Getting more than ‘again’ with Korean particles. <i>Proceedings of the 15th Workshop on Altaic Formal Linguistics (WAFL)</i> , 71–80.   |
| 2020 | <b>Sanghee Kim</b> & Mi-Jeong Song. Is starting early beneficial for the acquisition of English articles in an EFL setting? <i>English Teaching</i> , 75(4), 3–32.  |
| 2019 | <b>Sanghee Kim</b> . Allocutive agreement in Korean under cyclic Agree. <i>Proceedings of the Linguistic Society of America</i> , 4(54), 1–15.  |
| 2016 | <b>Sanghee Kim</b> & Jeong-Ah Shin. The effect of thematic roles during grammatical encoding in sentence production. <i>Korean Journal of English Language and Linguistics</i> , 16(1), 77–97.  |

### MANUSCRIPTS AND WORKING PAPERS

|      |   |
|------|---|
| 2022 | <b>Sanghee J. Kim</b> & Ming Xiang. Discourse status and memory retrieval in sentence comprehension: Through the lens of number agreement attraction effect. Ms. The University of Chicago. |
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- 2020 **Sanghee Kim.** Evaluating compositionality function in word2vec models in ‘adjective + noun’ composition. Ms. The University of Chicago.
- 2020 **Sanghee Kim.** Questioning, asserting, and making an order without a verb in Korean Ms. The University of Chicago.
- 2017 **Sanghee Kim.** Past tense verb processing by native speakers and L2 learners of English: Evidence from masked priming experiment. *English Studies*, 37, 87-108.

#### EDITED VOLUMES

- 2021 Matthew Hewett, Corinne Kasper, **Sanghee Kim** & Naomi Kurtz. (Eds.) *Proceedings of the Linguistic Meeting of the Chicago Linguistic Society 56*. Chicago Linguistic Society.
- 2015 Juyeon Cho, Jinyoung Jo, **Sanghee Kim**, Jong-Hyeon Lee & Heemin Park (Eds.) *SNU Working Papers in English Linguistics and Language*, Vol.13, Department of English Language and Literature, Seoul National University.

### Talks and Presentations

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#### INVITED TALKS

- 2023 “Memory encoding of discourse structure information.” *Syntax, Semantics, and Language Processing Lab (s/lab)*, University of California, Santa Cruz, CA, May 25.
- 2023 “The role of working memory in dependency processing: A view from relative clauses.” Guest lecture, Psycholinguistics (LING/PSYC 27010), University of Chicago, IL, April 25.

#### PEER-REVIEWED CONFERENCE PRESENTATIONS

- 2023 **Sanghee J. Kim** & Ming Xiang. “Memory encoding/retrieval is sensitive to discourse status: through the lens of pronoun resolution.” Plenary talk at the *36th Annual Conference on Human Sentence Processing*, University of Pittsburgh, Pittsburgh, PA, March 9–11. (Acceptance rate: ~7%)
- 2022 **Sanghee J. Kim** & Ming Xiang. “Memory retrieval selectively targets different discourse units.” Plenary talk at the *35th Annual Conference on Human Sentence Processing*, University of California, Santa Cruz, CA, March 24–26 (Virtual). (Acceptance rate: ~8%)
- 2021 **Sanghee Kim** & Ming Xiang. “Discourse status and asymmetric agreement attraction effects.” Short talk at the *27th Architectures and Mechanisms for Language Processing*, Université de Paris, France, September 2–4 (Virtual).
- 2021 **Sanghee Kim** & Ming Xiang. “Variability in the agreement attraction effect.” Short talk at the *34th Annual CUNY Conference on Human Sentence Processing*, University of Pennsylvania, PA, March 4–6 (Virtual).
- 2021 Emre Hakgüder\*, Aurora Martinez del Rio\*, Casey Ferrara\* & **Sanghee Kim**\*. “Identifying the Correlations Between the Lexical Semantics and Phonology of ASL: A Vector Space Approach”. Oral presentation at the *95th Annual Meeting of the Linguistic Society of America*, January 7–10 (Virtual). (\* = Equal contribution)
- 2020 **Sanghee Kim.** “Object honorification agreement: [HON] as a  $\phi$ -feature.” Poster presentation at the *94th Annual Meeting of the Linguistic Society of America*, New Orleans, LA, January 2–5.
- 2019 **Sanghee Kim.** “Korean object honorification as syntactic agreement.” Oral presentation at the *13th Arizona Linguistics Circle*, University of Arizona, Tucson, AZ, October 25–27.

- 2019 **Sanghee Kim.** “Speech act operators and CALL-BACK function.” Poster presentation at the *15th Workshop on Altaic Formal Linguistics*, Lomonosov Moscow State University, Russia, September 26–28.
- 2019 **Sanghee Kim.** “Allocutive agreement in Korean.” Poster presentation at the *93rd Annual Meeting of the Linguistic Society of America*, New York, NY, January 3–6.
- 2017 **Sanghee Kim, Jong-Hyeon Lee & Jeong-Ah Shin.** “Gender feature as a cue in L2 learners’ reflexive resolution.” Poster presentation at the *23rd Annual Conference on Architectures and Mechanisms for Language Processing*, Lancaster University, UK, September 7–9.
- 2016 **Sanghee Kim.** “Native-like morphology processing by Korean learners of English: Evidence from masked priming experiment.” Oral presentation at the *2016 Fall Conference for Korean Association for the Study of English Language and Linguistics*, Kwangwoon University, Seoul, Korea, October 15.
- 2016 **Sanghee Kim & Jeong-Ah Shin.** “Thematic roles in structural priming.” Oral presentation at the *2016 Annual Conference of the Korean Society for Psycholinguistics*, Jeju National University, Jeju, Korea, January 22–23.

## Teaching Experience

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### THE UNIVERSITY OF CHICAGO

- Spring 2023 **Course assistant, Psycholinguistics (LING/PSYC 27010)**  
(Instructor: Monica Do)  
Ran weekly office hours and assisted students with class material, graded and provided feedback on student assignments, research proposal and presentation, and assessed students’ academic progress and participation.
- Winter 2023 **Course assistant, Computational Linguistics (LING 28620 / LING 38620 / CMSC 35620 / DIGS 38620)**  
(Instructor: Allyson Ettinger)  
Ran weekly office hours and assisted students with class material, graded and provided feedback on student assignments, and assessed students’ progress and participation.
- Spring 2022 **Course assistant, Linguistic Perspectives on Language Disorders (LING 27050)**  
(Instructor: Jacob B. Phillips)  
Ran bi-weekly discussion sections (language disorder case studies and guidance on research proposal), provided feedback on weekly problem sets, and held weekly office hours.
- Fall 2022 **Course assistant, Psycholinguistics (LING 27010)**  
(Instructor: Ming Xiang)  
Gave feedback on weekly discussion posts, constructed material for lab report assignment, and reviewed and gave feedback on lab reports and bi-weekly assignments.
- Winter 2021 **Course assistant, Introduction to Linguistics (LING 20001)**  
(Instructor: Patrick Muñoz)  
Ran weekly review and discussion sections with a co-TA, held weekly office hours, and graded and gave feedback on weekly problem sets and final paper.

### SEOUL NATIONAL UNIVERSITY

- Summer 2017 Teaching Assistant, College English (Instructor: Ilsu Sohn)
- Fall 2016 Teaching Assistant, College English (Instructor: Mi-Jeong Song)
- Fall 2016 Teaching Assistant, College English Education (Instructor: Mi-Jeong Song)
- Fall 2015 Teaching Assistant, Topics in English Linguistics (Instructor: Chang-Yong Sohn)

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| Fall 2015   | Teaching Assistant, College English (Instructor: Chang-Yong Sohn)                    |
| Spring 2015 | Teaching Assistant, Modern Society and Global Language (Instructor: Chang-Yong Sohn) |
| Spring 2015 | Teaching Assistant, History of English Language (Instructor: Chang-Yong Sohn)        |

## Research Experience

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### THE UNIVERSITY OF CHICAGO

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| 09/2021 – Present | <b>Lab researcher, Computational Linguistics Lab</b> (PI: Dr. Allyson Ettinger)<br>Developed new test suite to assess linguistic knowledge of state-of-the-art language models, and conceptualized testing method for analyzing and interpreting pretrained language models in Natural Language Understanding.             |
| 09/2020 – Present | <b>Lab researcher, Language Processing Lab</b> (PI: Dr. Ming Xiang)<br>Conceptualized, designed, and conducted large-scale language experiments (> 1.6K human participants), devised new experimental design and datasets, ran formal statistical analyses on human behavioral data, and presented outputs at conferences. |

### SEOUL NATIONAL UNIVERSITY

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| 03/2017 – 06/2017 | <b>Lab researcher, Brain and Humanities Lab</b> (PI: Dr. Sung-Eun Lee)<br>Composed testing material for participant screening process, drafted and edited IRB, and structured demographic information of human participants in a neuroscience project (“The influence of bilingualism on cognitive control in elderly bilinguals”).          |
| 09/2015 – 12/2015 | <b>Lab researcher, Brain and Humanities Lab</b> (PI: Dr. Sung-Eun Lee)<br>Managed and pre-processed brainwave signals in a neuroscience-linguistics interdisciplinary project (“The effects of multilingualism on nonverbal cognitive function”), and organized brain response data using experimental softwares (PsychoPy and BrainVision). |
| 03/2015 – 09/2015 | <b>Research assistant</b> (PI: Dr. Miyeon Ahn)<br>Contributed to experimental design in a phonetics-phonology project (“Lexical status and degree of /l/-darkening”), built natural language datasets, and managed and pre-processed speech data using Praat under formal training.  |

## Industry Experience

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| 07/2018 – 08/2018 | <b>Analytical linguist, Cascade Company, Korea</b><br><i>Summer Internship</i> (Supervisor: Eric Périard)<br>Collaborated with software engineers to create a prototype Named Entity Recognition toolkit, identified linguistic needs and gaps for designing Dependency Model, and provided linguistic expertise in syntax, semantics, and pragmatics to advance Natural Language Processing (NLP) systems. |
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## Skills

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### NATURAL LANGUAGES

English (Proficient), Korean (Native), French (Intermediate), Mandarin (Basic)  
Research: American Sign Language, British Sign Language

### PROGRAMMING LANGUAGES

R, Python, MATLAB

## SOFTWARE

Computer software:  $\text{\LaTeX}$ , Git

Crowdsourcing: Prolific, MTurk

Experimental tool: Penn Controller Ibex Farm, Praat, PsychoPy, BrainVision

## Service

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### ACADEMIC

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| 2022 – 2023 | <b>Dean's Student Advisory Board</b> , Representative of Linguistics Department, Division of Humanities, The University of Chicago  |
| 2021 – 2023 | Coordinator, <b>Language Evolution, Acquisition &amp; Processing (LEAP) Workshop</b> , The University of Chicago (Faculty advisors: Allyson Ettinger & Salikoko S. Mufwene) |
| 2020 – 2021 | Editorial member, CLS 56th Proceedings, Chicago Linguistic Society  |
| 2019 – 2021 | Reviewer, 55th/56th/57th Annual Meeting of the Chicago Linguistic Society   |
| 2020        | Organizing committee, 56th Annual Meeting of the Chicago Linguistic Society   |
| 2017        | Head organizer, Seoul National University Block Seminar in Linguistics  |
| 2016        | Student representative (elected), Department of English Language and Literature, Seoul National University  |
| 2015        | Editorial member, Seoul National University (SNU) Working Papers in English Linguistics and Language  |

### NON-ACADEMIC

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| 2012 – 2014 | Organizer (2012; 2014) & Head director (2013), TEDxHanyangU, Korea           |
| 2011 – 2014 | Teacher, Hospital School at Hanyang U. Hospital Pediatric Cancer Ward, Korea |