

# HYUNJUNG JOO

hyunjung.joo@rutgers.edu | hyunjungjoo.net | (+1) 8483913425

## RESEARCH INTEREST

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Computational phonology  
Laboratory phonology

## EDUCATION

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**PhD**, Linguistics. Rutgers University. 2021-May 2026 (expected)  
Dissertation title: Model theory and representation of intonation. *New Jersey, USA*  
Committee: Dr. Adam Jardine (chair), Dr. Adam McCollum, Dr. Bruce Tesar, and Dr. Scott Nelson

**MA**, English language and literature. Hanyang University. 2019-2021  
Thesis title: Tonal alignment with articulatory gestures in South Kyungsang Korean. *Seoul, Korea*  
Committee: Dr. Taehong Cho (chair), Dr. Sahyang Kim, and Dr. Say Young Kim

**BA**, English language and literature (Summa Cum Laude). Chung-Ang University. 2012-2016  
**BA**, Media Communication (Summa Cum Laude). Chung-Ang University. *Seoul, Korea*

## NON-DEGREE PROGRAMS

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Master's program, English language and literature. Seoul National University. 2016-2018  
*Seoul, Korea*  
LSA Summer Linguistic Institute, University of Kentucky 2016  
*Kentucky, USA*

## AWARDS AND HONORS

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**Andrew W. Mellon Dissertation Completion Fellowship** 2025-2026  
*Rutgers University*  
**Organizers' Award for Best Oral Presentation at Phonology and Phonetics in Europe 2023 (PaPE 2023)** June 2-4, 2023  
*Nijmegen, the Netherlands*  
**IPA Student Award at the 19th International Congress of Phonetic Sciences (ICPhS 2019)**  
August 5-9, 2019  
*Melbourne, Australia*

## PEER-REVIEWED JOURNAL ARTICLES

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**Joo, H.** & D'Imperio, M. (2025). The perception of lexical pitch accent in South Kyungsang Korean: the relevance of accent shape. *Language and Speech*.  
Hatcher, R., **Joo, H.**, Kim, S. & Cho, T. (2024). Focus-induced tonal distribution in Seoul Korean as an edge-prominence language. *Journal of Phonetics*.

## PAPER-REVIEWED CONFERENCE PROCEEDINGS PAPERS

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**Joo, H.** & Jardine, A. (2025). Intonation as a quantifier-free logical interpretation of metrical and prosodic structure. *Proceedings of Society for Computation in Linguistics (SCiL 2025)*, 8(1).

**Joo, H.** & Avelino, G. (2025). Prosodic realization of in-situ focus in Tagalog. *Proceedings of the 31st Annual Meeting of the Austronesian Formal Linguistics Association*, 31, 62-74.

Magnotti R., George D., Li Z., Ji J., **Joo, H.**, Yu J., Ravishankar R., Moe L., Khalid B., Zhang Y., & Stone M. (2023). DiWBot: A Cooking and DIY Conversation Guidance System. *Alexa Prize TaskBot Challenge 2 Proceedings*. Amazon Science.

Hatcher, R., **Joo, H.**, Kim, S. & Cho, T. (2023). How does focus-induced prominence influence realization of edge tones and segmental anchoring in Seoul Korean? *Proceedings of the 20th International Congress of Phonetic Sciences (ICPhS 2023)*.

**Joo, H.** & D'Imperio, M. (2023). Perception of lexical pitch accent and rise shape in South Kyungsang Korean. *Proceedings of the 20th International Congress of Phonetic Sciences (ICPhS 2023)*.

**Joo, H.**, Jang, J., Kim, S., Cho, T. & Cutler, A. (2019). Prosodic structural effects on coarticulatory vowel nasalization in Australian English in comparison to American English. *Proceedings of the 19th International Congress of Phonetic Sciences (ICPhS 2019)*.

## ABSTRACT-REVIEWED CONFERENCE PROCEEDINGS PAPERS

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**Joo, H.** & D'Imperio, M. (2023). Rising shape and duration affect pitch accent categorization in South Kyungsang Korean. *Speech Prosody and Beyond workshop (SPaB 2023)*. Seoul, South Korea.

**Joo, H.** & D'Imperio, M. (2023). Rising shape and duration affect pitch accent categorization in South Kyungsang Korean. *Phonetics and Phonology in Europe 2023 (PaPE 2023)*. Nijmegen, the Netherlands.

**Joo, H.**, Kim, S. & Cho, T. (2023). Tonal alignment with articulatory gestures in South Kyungsang Korean. *The 3rd Hanyang International Symposium on Phonetics and Cognitive Sciences of Language*. Hanyang University, Seoul, South Korea.

Hatcher, R., **Joo, H.**, Kim, S. & Cho, T. (2023). A preliminary report on how focus-induced prominence influences realization of edge tones and segmental anchoring in Seoul Korean. *The 3rd Hanyang International Symposium on Phonetics and Cognitive Sciences of Language*. Hanyang University, Seoul, South Korea.

**Joo, H.**, Jang, J., Kim, S., Cho, T. & Cutler, A. (2019). Prosodic boundary and prominence effects on vowel nasalization in Australian English versus American English. *The 2nd Hanyang International Symposium on Phonetics and Cognitive Sciences of Language*. Hanyang University, Seoul, Korea.

## CONFERENCE PRESENTATIONS

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**Joo, H.** (2025). Connecting Discrete and Continuous Representation of Intonation. *2025 Rutgers Subregular Phonology Workshop*, NJ, USA, Nov 14-16. [oral presentation]

Jang, J., **Joo, H.**, Kim, S., Cutler, A. & Cho, T. (2025). Prosodic effects on coarticulatory vowel nasalization: A cross-dialectal study of American and Australian English. *2025 Fall Conference of the Korean Society of Speech Sciences*, Seoul, South Korea, Oct 22. [oral presentation]

**Joo, H.** & Jardine, A. (2025). Intonation as a quantifier-free logical interpretation of metrical and prosodic structure. *Society for Computation in Linguistics (SCiL 2025)*, Oregon, USA, Aug 18-20. [oral presentation]

**Joo, H.** (2024). Intonation as local logical interpretations. *2024 Rutgers Subregular Phonology Workshop*, NJ, USA, Sept 27-29. [oral presentation]

**Joo, H.** & Avelino, G. (2024). Prosodic realization of in-situ focus in Tagalog. *The 31st Meeting of Austronesian Formal Linguistics Association (AFLA 31)*, UMass, USA, June 11-14. [oral presentation]

Hatcher, R., **Joo, H.**, Kim, S. & Cho, T. (2023). How does focus-induced prominence influence realization of edge tones and segmental anchoring in Seoul Korean? *The 20th International Congress of Phonetic Sciences (ICPhS 2023)*, Prague, Czech, August 7-11.

- Joo, H.** & D’Imperio, M. (2023). Perception of lexical pitch accent and rise shape in South Kyungsang Korean. *The 20th International Congress of Phonetic Sciences (ICPhS 2023)*, Prague, Czech, August 7-11. [poster presentation]
- Joo, H.** & D’Imperio, M. (2023). Rising shape and duration affect pitch accent categorization in South Kyungsang Korean. *Speech Prosody and Beyond workshop (SPaB 2023)*, June 20-22, Seoul, South Korea. [oral presentation]
- Joo, H.** & D’Imperio, M. (2023). Rising shape and duration affect pitch accent categorization in South Kyungsang Korean. *Phonetics and Phonology in Europe 2023 (PaPE 2023)*, June 2-4, Nijmegen, the Netherlands. [oral presentation]
- Joo, H.,** Kim, S. & Cho, T. (2023). Tonal alignment with articulatory gestures in South Kyungsang Korean. *The 3rd Hanyang International Symposium on Phonetics and Cognitive Sciences of Language*, May 26-27. Hanyang University, Seoul, South Korea. [poster presentation]
- Hatcher, R., **Joo, H.,** Kim, S. & Cho, T. (2023). A preliminary report on how focus-induced prominence influences realization of edge tones and segmental anchoring in Seoul Korean. *The 3rd Hanyang International Symposium on Phonetics and Cognitive Sciences of Language*, May 26-27. Hanyang University, Seoul, South Korea. [oral presentation]
- Joo, H.** (2023). Perception of lexical pitch accent in South Kyungsang Korean. *Rutgers Linguistics Conference 2023 (RULing 2023)*, May 5. Rutgers University, New Jersey, USA. [oral presentation]
- Joo, H.** (2023). Case stacking in Korean: Prosodic evidence. *Rutgers Linguistics Conference 2023 (RULing 2023)*, May 5. Rutgers University, New Jersey, USA. [oral presentation]
- Joo, H.,** Jang, J., Kim, S., Cho, T. & Cutler, A. (2019). Prosodic structural effects on coarticulatory vowel nasalization in Australian English in comparison to American English. *The 19th International Congress of Phonetic Sciences (ICPhS 2019)*, Melbourne, Australia, August 5-9. [oral presentation]
- Joo, H.,** Jang, J., Kim, S., Cho, T. & Cutler, A. (2019). Prosodic boundary and prominence effects on vowel nasalization in Australian English versus American English. *The 2nd Hanyang International Symposium on Phonetics and Cognitive Sciences of Language*, May 24-25. Hanyang University, Seoul, Korea. [poster presentation]
- Joo, H.** (2017) Korean vowel harmony on verbal conjugation. *2017 LSA Summer Linguistic Institute*, July 30, University of Kentucky, USA. [poster presentation]
- Joo, H.** (2016). A relationship between Korean EFL learners’ stress placement of noun-verb homographs and English proficiency. *Gwanpojigyo (Gwanak phonology meeting)*, Seoul National University, Seoul, South Korea. [oral presentation]

## OTHER PAPERS

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- Joo, H.** (2017). Korean L2 Learners’ Perception of English Front Vowels, /ε/ and /æ/. *English Studies*, 37, 109-126.
- Joo, H.** (2016). A relationship between Korean EFL learners’ stress placement of noun-verb homographs and English proficiency. *SNU Working Papers in English Language and Linguistics*, 14, 82-102.

## RESEARCH EXPERIENCE

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- |   |      |
|---|------|
| <b>Research Assistant</b> , Linguistics, Rutgers University.  | 2025 |
| <i>Collaborative Research: Subregular Inference of Morpho-phonology. National Science Foundation.</i> |      |
| <i>(PIs: Adam Jardine, Jane Chandlee and Jeffrey Heinz)</i>   |      |
| · Collected pitch accent data in dialects of Japanese and South Kyungsang Korean.                     |      |
| <b>Research Assistant</b> , Linguistics, Rutgers University.  | 2025 |
| <i>That is never that. (PI: Dorothy Ahn)</i>  |      |
| · Designed a video eyetracking experiment using an Eyelink portable duo.                              |      |

- Analyzed the eyetracking data.

**Research Assistant**, Computer Science, Rutgers University.

2023

*Amazon Taskbot Challenge 2: DiWBot (PIs: Matthew Stone & Yongfeng Zhang)*

- Selected as one of the 10 global teams to participate in Amazon Alexa TaskBot Challenge 2.
- Worked on the NLU to understand user intent, and multimodal aspect to increase the user engagement.
- Tested the conversation and finding errors.

**Research Assistant**, Hanyang Institute for Phonetics and Cognitive Sciences of Language (HIPCS). 2019-2021

*Production and perception of cross-linguistic versus language-specific patterns of intergestural timing in three varieties of English and two varieties of Korean (PIs: Taehong Cho & Sahyang Kim)*

- Collected articulatory data using Electromagnetic Articulography (EMA).
- Measured articulatory movements with Mview software in MatLab.
- Analyzed data using Linear Mixed Effects models in R.

**Research Assistant**, Hanyang Institute for Phonetics and Cognitive Sciences of Language (HIPCS). 2018-2021

*Prosodic conditioning of the phonetic granularity of coarticulatory vowel nasalization in speech production and perception (PIs: Taehong Cho & Sahyang Kim)*

- Collected articulatory data using Electromagnetic Articulography (EMA).
- Segmented sound waves and extract values using Praat.
- Analyzed data using ANOVA and Linear Mixed Effects models in R.

## TEACHING EXPERIENCE

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**Instructor**, Linguistics, Rutgers University.

Spring 2025

*Phonetics (LING 451)*

**Instructor**, Linguistics, Rutgers University.

Fall 2024

*Introduction to Linguistic Theory (LING 201 Honors)*

**Instructor**, Linguistics, Rutgers University.

Spring 2024

*Introduction to Linguistic Theory (LING 201)*

**Teaching Assistant**, Linguistics, Rutgers University.

Fall 2023

*Introduction to Linguistic Theory (LING 201)*

**Teaching Assistant**, English language and literature, Seoul National University.

Fall 2018

*College English I*

**Teaching Assistant**, English language and literature, Seoul National University.

Spring 2018

*English Semantics*

**Teaching Assistant**, English language and literature, Seoul National University.

Winter 2017

*Advanced English: Literature*

**Teaching Assistant**, English language and literature, Seoul National University.

Fall 2017

*Introduction to English Linguistics*

**Teaching Assistant**, English language and literature, Seoul National University.

Spring 2017

*Modern Society and Global Language*

**Teaching Assistant**, English language and literature, Seoul National University.

Fall 2016

*Modern Society and Global Language*

## SCHOLARSHIP

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|--|-----------------------------|
| - <b>Excellence Fellowship</b> , Rutgers University.                             | 2021 Fall-2023 Spring       |
| - <b>College Contest Winner Scholarship</b> , Hanyang University.                | 2020 Spring-2020 Fall       |
| - <b>National Scholarship (Co-op), Creative Korea 2</b> , Hanyang University.    | 2019 Fall                   |
| - <b>College Contest Winner Scholarship</b> , Hanyang University.                | 2019 Fall                   |
| - <b>Research Assistant Scholarship</b> , Hanyang University.                    | 2019 Fall                   |
| - <b>College Contest Winner Scholarship</b> , Hanyang University.                | 2019 Spring                 |
| - <b>Teaching Assistant Scholarship</b> , Hanyang University.                    | 2019 Spring                 |
| - <b>Lecture &amp; Research Scholarship</b> , Hanyang University.                | 2019 Spring-2020 Fall       |
| - <b>Global Future Leader Scholarship</b> , Hanyang University.                  | 2019 Fall                   |
| - <b>Lecture &amp; Research Scholarship</b> , Seoul National University.         | 2018 Spring-Fall            |
| - <b>Fellowship for Fundamental Academic Fields</b> , Seoul National University. | 2017 Spring-Fall            |
| - <b>Lecture &amp; Research Scholarship</b> , Seoul National University.         | 2016 Fall                   |
| - <b>Merit-based scholarship</b> , Seoul National University.                    | 2016 Spring                 |
| - <b>Department Secondary Honor Scholarship</b> , Chung-Ang University.          | 2015 Spring-Fall, 2012 Fall |

## SERVICES AND ACTIVITIES

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|---|-----------------------|
| - Annual Meeting on Phonology (AMP) 2024, Organizer.            | 2024 Fall             |
| - The Meaning Across Languages (MAL) Lab, Eyetracker manager.   | 2024 Spring-          |
| - Mathematical Linguistics reading group (MathLing), Organizer. | 2021 Spring-          |
| - Phonology & Phonetics reading group (PhonX), Organizer.       | 2021 Spring-2023 Fall |
| - Big data club 'ToBigs' (learned R scripting, statistics).     | 2015-2017             |

## SKILLS

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- **Experimental skills:** Praat (Speech analyses and synthesis, scripting), VoiceSauce, Electromagnetic Articulography (EMA), Eyetracker (Eyelink portable duo)
- **Coding and statistics:** R (Statistical analyses, scripting), Python (Basic), MATLAB (Basic), LATEX

## LANGUAGES

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Korean (Native), English (Fluent)