

# 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- <i>New Jersey, USA</i>
MA, English language and literature. Hanyang University.	2019-2021 <i>Seoul, Korea</i>
BA, English language and literature (Summa Cum Laude). Chung-Ang University.	2012-2016
Media Communication (Summa Cum Laude). Chung-Ang University.	<i>Seoul, Korea</i>

## NON-DEGREE PROGRAMS

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

## AWARDS AND HONORS

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

## PUBLICATIONS

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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*.

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.

**Joo, H.** (2021). *Tonal alignment with articulatory gestures in South Kyungsang Korean*. Master's thesis. Hanyang University.

**Joo, H.** (2017). Korean L2 Learners' Perception of English Front Vowels, /ɛ/ 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.

## 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. (2024). Prosodic realization of in-situ focus in Tagalog. *Proceedings of the 31st Annual Meeting of the Austronesian Formal Linguistics Association*, 31, 62-74.
- 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)*.

## PRESENTATIONS

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- 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]

RESEARCH EXPERIENCE

<b>Research Assistant</b> , Computer Science, Rutgers University.	2023
<i>Amazon Taskbot Challenge 2: DiWBot (Director: Matthew Stone &amp; Yongfeng Zhang)</i>	
<ul style="list-style-type: none"> <li>Selected as one of the 10 global teams to participate in Amazon Alexa TaskBot Challenge 2.</li> <li>Worked on the NLU to understand user intent, and multimodal aspect to increase the user engagement.</li> <li>Tested the conversation and finding errors.</li> </ul>	
<b>Research Assistant</b> , Hanyang Institute for Phonetics and Cognitive Sciences of Language (HIPCS). 2019-2021	
<i>Production and perception of cross-linguistic versus language-specific patterns of intergestural timing in three varieties of English and two varieties of Korean (Director: Taehong Cho &amp; Sahyang Kim)</i>	
<ul style="list-style-type: none"> <li>Collected articulatory data using Electromagnetic Articulography (EMA).</li> <li>Measured articulatory movements with Mview software in MatLab.</li> <li>Analyzed data using Linear Mixed Effects models in R.</li> </ul>	
<b>Research Assistant</b> , Hanyang Institute for Phonetics and Cognitive Sciences of Language (HIPCS). 2018-2021	
<i>Prosodic conditioning of the phonetic granularity of coarticulatory vowel nasalization in speech production and perception (Director: Taehong Cho &amp; Sahyang Kim)</i>	
<ul style="list-style-type: none"> <li>Collected articulatory data using Electromagnetic Articulography (EMA).</li> <li>Segmented sound waves and extract values using Praat.</li> <li>Analyzed data using ANOVA and Linear Mixed Effects models in R.</li> </ul>	

TEACHING EXPERIENCE

<b>Instructor</b> , Linguistics, Rutgers University.	Spring 2025
<i>Phonetics (LING 451)</i>	
<b>Instructor</b> , Linguistics, Rutgers University.	Fall 2024
<i>Introduction to Linguistic Theory (LING 201 Honors)</i>	
<b>Instructor</b> , Linguistics, Rutgers University.	Spring 2024
<i>Introduction to Linguistic Theory (LING 201)</i>	
<b>Teaching Assistant</b> , Linguistics, Rutgers University.	Fall 2023
<i>Introduction to Linguistic Theory (LING 201)</i>	

SCHOLARSHIP

- **Excellence Fellowship**, Rutgers University. 2021 Fall-2023 Spring
- **Lecture & Research Scholarship**, Hanyang University. 2019 Spring-2020 Fall
- **Global Future Leader Scholarship**, Hanyang University. 2019 Fall
- **Lecture & Research Scholarship**, Seoul National University. 2018 Spring-Fall
- **Fellowship for Fundamental Academic Fields**, Seoul National University. 2017 Spring-Fall
- **Lecture & Research Scholarship**, Seoul National University. 2016 Fall
- **Merit-based scholarship**, Seoul National University. 2016 Spring
- **Department Secondary Honor Scholarship**, 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 Articulation (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)