# HYUNJUNG JOO

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## RESEARCH INTEREST

Computational phonology
Laboratory phonology

## EDUCATION

**PhD**, Linguistics. Rutgers University.                                    2021-
*New Jersey, USA*

**MA**, English language and literature. Hanyang University.                 2019-2021
*Seoul, Korea*

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

## NON-DEGREE PROGRAMS

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

**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*

## PUBLICATIONS

**Joo, H.** & D'Imperio, M. (Accepted). 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

**Joo, H.** & Avelino, G. (2024). Prosodic realization of in-situ focus in Tagalog. *Proceedings of Austronesian Formal Linguistics Association (AFLA 31).*

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

**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. *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. [poster presentation]

**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

**Research Assistant**, Computer Science, Rutgers University. 2023

*Amazon Taskbot Challenge 2: DiWBot (Director: 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 (Director: 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 (Director: 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.

## SCHOLARSHIP

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| - **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- |
| - Mathmatical 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

- **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

Korean (Native), English (Fluent)