Hyunjung Joo

PHD STUDENT

Linguistics at Rutgers University

🗨 she/her | ✉ hyunjung.joo@rutgers.edu

Research interest

- Computational phonology
- Laboratory phonology

Education

Rutgers, the State University of New Jersey   *New Jersey, USA*

PHD AT LINGUISTICS   *2021-*

Hanyang University   *Seoul, Korea*

MA AT ENGLISH LANGUAGE AND LITERATURE   *2019-2021*

Chung-Ang University   *Seoul, Korea*

BA AT ENGLISH LANGUAGE AND LITERATURE & MEDIA COMMUNICATION (SUMMA CUM LAUDE)   *2012-2016*

Non-degree programs

LSA Summer Linguistic Institute   *Kentucky, USA*

UNIVERSITY OF KENTUCKY   *2016*

Seoul National University   *Seoul, Korea*

MASTER'S PROGRAM AT ENGLISH LANGUAGE AND LITERATURE   *2016-2018*

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.

Presentations

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

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 2019)*, 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 2019)*, 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]

Awards and Honors

Organizers' Award for Best Oral Presentation at Phonology and Phonetics in Europe 2023 (PaPE 2023) *2023*

Nijmegen, the Netherlands *June 2-4*

IPA Student Award at the 19th International Congress of Phonetic Sciences (ICPhS 2019) *2019*

Melbourne, Australia *August 5-9*

Research experience

Research assistant *2023*

Amazon Taskbot Challenge 2: DiWBot (Director: Matthew Stone & Yongfeng Zhang) *Computer Science, Rutgers University*

- Selected as one of the 10 global teams to participate in Amazon Alexa TaskBot Challenge 2. Working on the NLU to understand user intent, and multimodal aspect to increase the user engagement. Testing the conversation and finding errors. (https://www.amazon.science/alexa-prize/teams/diwbot-taskbot-challenge-2)

Research assistant *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) *HIPCS, Hanyang University*

- Task: Collected articulatory data using EMA, measured articulatory movements with Mview software, and analyzed using R

Research assistant   *2018-2021*

Prosodic conditioning of the phonetic granularity of coarticulatory vowel nasalization in speech
production and perception (Director: Taehong Cho & Sahyang Kim)   *HIPCS, Hanyang University*

- Segmented sound waves and extract values using Praat, and analyzed the data using R

Teaching experience

Instructor   *2024 Fall*

Introduction to Linguistic Theory (LING 201, Honors)   *Linguistics, Rutgers University*

Instructor   *2023 Fall*

Introduction to Linguistic Theory (LING 201)   *Linguistics, Rutgers University*

Teaching assistant   *2024 Spring*

Introduction to Linguistic Theory (LING 201)   *Linguistics, Rutgers University*

Scholarship

Lecture & Research Scholarship   *2019 Spring-2020 Fall*

                                                                        Hanyang University

Global Future Leader Scholarship   *2019 Fall*

                                                                        Hanyang University

Lecture & Research Scholarship   *2018 Spring-Fall*

                                                                   Seoul National University

Fellowship for Fundamental Academic Fields   *2017 Spring-Fall*

                                                                   Seoul National University

Lecture & Research Scholarship   *2016 Fall*

                                                                   Seoul National University

Merit-based scholarship   *2016 Spring*

                                                                   Seoul National University

Department Secondary Honor Scholarship   *2015 Spring-Fall*

                                                                     Chung-Ang University

Department Secondary Honor Scholarship   *2012 Fall*

                                                                     Chung-Ang University

Services & Volunteer activities

Eyetracker manager   *2024 Spring-*

The Meaning Across Languages (MAL) Lab   *Linguistics, Rutgers University*

Organizer   *2021 Spring-*

MathLing reading group   *Linguistics, Rutgers University*

Organizer   *2021 Spring-2023 Fall*

PhonX reading group   *Linguistics, Rutgers University*

Big data club 'ToBigs'   *2015-2017*

learned R scripting, statistics

Techniques

- Coding and statistics: **R** (Statistical analyses, scripting), **Python** (basic), **MATLAB** (basic)

- Experimental skills: **Praat**(Speech analyses and synthesis, scripting), **VoiceSauce**, **Electromagnetic Articulography** (EMA), **Eyetracker** (Eyelink portable duo)

Languages

- **Korean** (Native), **English** (Fluent)