

Jaeeun Lee

PHD STUDENT · UNIVERSITY OF MINNESOTA, DEPARTMENT OF PSYCHOLOGY

Auditory Perception and Cognition Laboratory

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Education

University of Minnesota

PH.D., PSYCHOLOGY (COGNITIVE AND BRAIN SCIENCES), MINOR IN COMPUTER SCIENCE

- Advisor: Dr. Andrew J. Oxenham

Minneapolis, MN

2022 - present

Yonsei University

M.A., PSYCHOLOGY

- Advisor: Dr. Soojin Park
- Thesis: Multi-modal representation of the size of space in the human brain

Seoul, South Korea

2020 - 2022

Ewha Womans University

B.A., PSYCHOLOGY AND INTERNATIONAL STUDIES

- Honors: *Summa Cum Laude*

Seoul, South Korea

2015 - 2020

Research Experience

Auditory Perception and Cognition Lab, University of Minnesota

P.I. DR. ANDREW J. OXENHAM

- Conducted behavioral research on temporal coherence and its effect on auditory scene analysis: designed and coordinated experiments, collected and analyzed data. Presented a poster at *Association for Research in Otolaryngology Annual Meeting*, 2024.

Ph.D. Student

Aug. 2022 - Present

Visual Cognitive Neuroscience Lab, Yonsei University

P.I. DR. SOOJIN PARK

- Conducted fMRI research on audiovisual perception of spatial size: designed and coordinated experiments, collected and analyzed data using BrainVoyager, MATLAB, and Freesurfer. Presented a poster at *Virtual-Vision Sciences Society Annual Meeting*. Project published in the *Journal of Cognitive Neuroscience* (2024).
- Conducted behavioral research on object perception in naturalistic image of scenes: designed and coordinated online experiments, performed data analysis using MATLAB and R.

Masters Student

2019-2022

Co-work project, Yonsei University

WITH DR. EUNMI OH

- Contributed to behavioral research on investigating emotion perception of natural speech: designed and launched online experiments using JavaScript, collected and analyzed data using Praat and R, and presented a precis paper at *Audio Engineering Society Show*, 2021.

Graduate RA

2021-2022

Vision & Mind Lab, Ewha Womans University

P.I. DR. SUNG-HO KIM

- Conducted behavioral research on object split perception: designed and coordinated experiments using MATLAB, collected and analyzed data using SPSS, and presented a talk at *Vision Sciences Society Annual Meeting*, 2019.
- Assisted in research project on surveying theory of the dead's mind: contributed to designing and writing the survey (vignette and questions) and assisted in data collection.

Undergraduate RA

2018-2019

Publications

Lee, J. & Park, S. (2024). Multi-modal representation of the size of space in the human brain. *Journal of Cognitive Neuroscience*, 36(2), 340-361.

Oh, E., Lee, J., & Lee, D. (2021, May). Mapping voice gender and emotion to acoustic properties of natural speech. In *Audio Engineering Society Convention 150*. Audio Engineering Society.

Presentations

- Lee, J.** & Oxenham, A. (2024) The Effects of Temporal-Spectral Asynchrony on Speech Intelligibility in a Multi-Talker Listening Environment. Poster presented at *The Association for Research in Otolaryngology Annual Midwinter Meeting*
- Lee, J.** & Park, S. (2021). Multi-modal representation of the size of space in the human brain. Poster presented online at *Virtual Vision Sciences Society Annual Meeting*
- Oh, E., **Lee, J.**, & Lee, D. (2021) Mapping voice gender and emotion to acoustic properties of natural speech. Talk presented online at *AES Show Spring International Convention*
- Kim, E., **Lee, J.**, Sul, S., & Kim, S.-H. (2020). Theory of the Dead's Mind as a Limited and Reflected Mind. Talk presented online at *Korean Society for Cognitive and Biological Psychology*
- Lee, J.**, Lee, Y., & Kim, S.-H. (2019). Objects with salient parts break apart easily: the influence of object shape in the perceptual organization of a dynamic event and its causal structure. Talk presented at *Vision Sciences Society Annual Meeting*
- Lee, J.** & Kim, S.-H. (2019). Perception of object split under globally inconsistent kinetic occlusion: Shape cues can override metric depth information. Poster presented at the *Korean Society for Cognitive and Biological Psychology*
- Kim, E., **Lee, J.** & Kim, S.-H. (2019). Theory of the dead's mind: On the mental states of knowing and wishing. Talk presented at the *Korean Society for Cognitive and Biological Psychology*

Awards, Fellowships & Scholarships

- 2024 **Gloria J. Randahl Fellowship**, University of Minnesota
Graduate Student Travel and Research Award, University of Minnesota
- 2023 **Graduate Summer Research Fellowship**, University of Minnesota
- 2022 - 2023 **Department of Psychology Graduate Fellowship**, University of Minnesota
- 2020 **External Scholarship – Funded by Brain Korea 21+**, Ministry of Education, Korea
- 2019 **Academic Activities Support Scholarship**, Ewha Womans University
Honors Scholarship, Ewha Womans University
- 2018 **Division of International Studies PRIME Future Growth Scholarship**, Ewha Womans University
- 2016 **Honors Scholarship**, Ewha Womans University

Skills

Computer Language: Matlab, Python, R, JavaScript

Other Softwars: BrainVoyager, Praat, Freesurfer, SPSS, Adobe Premiere, Photoshop, Audition

Graduate-level Coursework: Biomedical Digital Signal Processing, Machine Learning Fundamentals, Natural Language Processing

Teaching Experience

- 2023 F - **Introduction to Biological Psychology**, University of Minnesota, Teaching Assistant
- 2024 S
- 2021 F **Experimental Methodology in Psychology**, Yonsei University, Teaching Assistant