

Ph.D. Student
Cognitive Science Program
College of Arts and Sciences
Indiana University Bloomington
E-mail: yeolim@iu.edu

EDUCATION

- 2024–2029 (Expected)** **Ph.D. Student in Cognitive Science**
Minor: Psychology
Indiana University Bloomington
Advisor: Dr. Andrew Goldman
- 2018–2024** **Doctor of Musical Arts in Musicology**
Seoul National University
Thesis: *Cognitive Strategies of Sight-Reading in Piano Performance: Adapting the Eye–Hand Span*
Advisor: Dr. Hee Sook Oh
Graduated first in class
- 2016–2018** **Master of Music in Musicology**
Seoul National University
Thesis: *A Cognitive Model of Sight-Reading as the Eye-Ear-Hand Collaborative Processes*
Advisor: Dr. Suk Won Yi
- 2011–2015** **Bachelor of Music in Musicology**
Seoul National University
Thesis: *The Science and Psychology of Sight-Reading Performance*
Advisor: Dr. Suk Won Yi
Graduated *cum laude*

PUBLICATIONS

Peer-Reviewed Journal Articles

- Lim, Y., & Hwang, M. (under review). Agreement of keratometry measurements for toric IOL planning in routine clinical practice: KR-800, IOLMaster 500, and Pentacam HR.
- Lim, Y., & Goldman, A. (2026). Visual processing of musical syntax and its relationship to sight-reading ability. *PLoS One*, 21(3), e0344490. <https://doi.org/10.1371/journal.pone.0344490>

- Goldman, A., Nozari, N., **Lim, Y.**, & Kibler, M. (2025). “Hearing as”: Knowledge of syntactic structure affects ERP components for musical expectation. *Journal of Cognitive Neuroscience*, 1–14. <https://doi.org/10.1162/JOCN.a.2404>
- Lim, Y.**, Park, J. M., Rhyu, S. Y., Chung, C. K., Kim, Y., & Yi, S. W. (2019). Eye-Hand Span is not an Indicator of but a Strategy for Proficient Sight-Reading in Piano Performance. *Scientific Reports*, 9(1), 17906. <https://doi.org/10.1038/s41598-019-54364-y>
- Lee, K. M., Barrett, K. C., Kim, Y., **Lim, Y.**, & Lee, K. (2015). Dance and Music in Gangnam Style: How Dance Observation Affects Meter Perception. *PLoS One*, 10(8), e0134725. <https://doi.org/10.1371/journal.pone.0134725>

Peer-Reviewed Conference Proceedings

- Goldman, A., **Lim, Y.**, Kibler, M., & Nozari, B. (2025). “Hearing as”: Prior knowledge of syntactic structure affects ERP components for musical expectation. In *Proceedings of the 47th Annual Meeting of the Cognitive Science Society*. San Francisco, CA, USA.
- Lim, Y.**, Rhyu, S., Lee, K. M., Lee, K., Park, J., & Yi, S. W. (2016). The Influence of Preliminary Listening and Complexity Level of Music on Sight-Reading Performance. In *Proceedings of the 14th International Conference on Music Perception and Cognition* (pp. 567–570). San Francisco, CA, USA.

Invited Reports

- Lim, Y.** (2019). Toward the Future of the Cognitive Sciences of Music: A Conference Report for the 2019 Biennial Meeting of the Society for Music Perception and Cognition. *Journal of the Musicological Society of Korea*, 22(2), 197–208.
- Lim, Y.** (2019). A Conference Report for a Joint Conference on “Feel the Music”: Celebrating 20 Years of the Korean Society for Music Perception and Cognition. *Journal of the Musicological Society of Korea*, 22(1), 277–293.

CONFERENCE PRESENTATIONS

International

- Lim, Y.**, & Goldman, A. (July 2025). Does Syntax Processing Predict Sight-Reading Proficiency in Pianists? 18th International Conference on Music Perception and Cognition, São Paulo, Brazil.
- Lim, Y.**, & Yi, S. W. (October 2019). The Interrelation Among Musical, Physiological, and Behavioral Domains of Music Sight-Reading in Professional Pianists. Fifth Biennial Conference of the International Musicological Society Regional Association for East Asia, Suzhou, China.
- Lim, Y.**, Popkin, J., & Yi, S. W. (August 2019). Variations on a Theme of Eye-Hand Span: An Integrated Perspective on Sight-Reading Skills. The 2019 Biennial Meeting of the Society for Music Perception and Cognition, New York, NY, USA. (**Awarded “SMPC Travel Award”**).

- Lim, Y., & Yi, S. W.** (February 2019). From Eyes to Hands: Interrelation between Music, Physiological, and Behavioral Domains of Sight-Reading in Professional Pianists. Semiannual Meeting of the Northeast Music Cognition Group, Harvard University, Cambridge, MA, USA.
- Lim, Y., & Yi, S. W.** (July 2018). A Cognitive Model of Sight-reading as the Ear-Eye-Hand Collaborative Processes. 15th International Conference on Music Perception and Cognition, 10th Triennial Conference of the European Society for the Cognitive Sciences of Music, Graz, Austria. (**Awarded “SEMPRE Award”**).
- Lim, Y., & Yi, S. W.** (August 2017). Physiological Investigation of Sight-Reading and Its Variable Factors. 6th Asia-Pacific Society for the Cognitive Sciences of Music, Kyoto, Japan.
- Lim, Y., Rhyu, S., Lee, K. M., Lee, K., Park, J., & Yi, S. W.** (July 2016). The Influence of Preliminary Listening and Complexity Level of Music on Sight-Reading Performance. 14th International Conference on Music Perception and Cognition, San Francisco, CA, USA.
- Lee, K. M., Kim, Y., **Lim, Y.**, & Lee, K. (August 2015). Cross-Modal Association of Visual Dance and Meter. Society for Music Perception and Cognition, Nashville, TN, USA.

National

- Lim, Y.** (November 2019). Sight-Reading Strategies of Professional Pianists: What and How Do They Read?. The 63rd Meeting of the Korean Society for Music Perception and Cognition, Seoul National University, Seoul, Korea.
- Lim, Y.** (November 2019). Integrated Perspectives on Sight-Reading Skills: An Eye Tracking Study. Symposium on Music Performance Studies with Professor John Rink, Western Music Research Institute, Seoul National University, Seoul, Korea.
- Lim, Y.** (November 2018). The Science and Psychology of Music Sight Reading. The 20th Anniversary Conference of the Korean Society for Music Perception and Cognition, Hanyang University, Seoul, Korea.
- Lim, Y.** (November 2018). Cognitive Processes of Music Sight Reading: Theory and Evidence. Music Theory and Cognition: Symposium with Dr. Robert Gjerdingen, Western Music Research Institute, Seoul National University, Seoul, Korea.
- Lim, Y.** (May 2017). From Eyes to Hands: Physiological Mechanisms of Sight-Reading and Variable Factors. The 81st Conference of the Musicological Society of Korea, Hanyang University, Seoul, Korea. (**Awarded “Outstanding Paper Award,” the Musicological Society of Korea**).
- Lim, Y.** (May 2016). Effects of Preliminary Listening and Musical Texture on Sight-Reading Proficiency. The 56th Meeting of the Korean Society for Music Perception and Cognition, Seoul National University, Seoul, Korea.

AWARDS AND HONORS

- Spring 2026 **New Frontiers Cognitive Science Graduate Fellowship (\$12,000)**,
Cognitive Science Program, Indiana University.
(Awarded by the Cognitive Science Graduate Committee for academic excellence)

and novel perspectives brought to the discipline of cognitive science)

- Fall 2025 **Gene Branigin Fellowship (\$12,000)**, College of Arts and Sciences, Indiana University.
Spring 2025 **Louise McNutt Fellowship (\$11,500)**, College of Arts and Sciences, Indiana University.
Fall 2024 **IU Graduate Fellowship (\$11,500)**, Cognitive Science Program, Indiana University.
August 2019 **Student Travel Award**, Society for Music Perception and Cognition.
2019–2020 **Emerging Scholar in Basic Sciences and Humanities Award**, Seoul National University.
(Awarded grants of \$20,000, President of Seoul National University, February 2019)
July 2018 **SEMPRE Award**, International Conference on Music Perception and Cognition.
2018–2019 **Emerging Scholar in Basic Sciences and Humanities Award**, Seoul National University.
(Awarded grants of \$20,000, President of Seoul National University, February 2018)
Press release: <https://now.snu.ac.kr/past/21/2/691>
May 2017 **Next-Generation Musicologist Award**, The Musicological Society of Korea.
August 2016 **Best Teaching Assistant Award**, Faculty of Liberal Education, Seoul National University.
March 2015 **Merit-Based Scholarships**, Seoul National University.

PROFESSIONAL EXPERIENCE

Teaching Experience

At Indiana University

- Spring 2026 **Associate Instructor**
- Introduction to Cognitive Science (COGS-Q101)
Spring 2025 **Associate Instructor**
- Introduction to Cognitive Science (COGS-Q101)

At Seoul National University

- Fall 2020 **Teaching Assistant**
- Music and Artificial Intelligence
Spring 2020 **Graduate Student Instructor**
- Introduction to Modern Music
- Music and Artificial Intelligence
Fall 2019 **Teaching Assistant**
- Introduction to Modern Music
Spring 2019 **Teaching Assistant**
- Introduction to Modern Music
Fall 2018 **Teaching Assistant**
- Understanding Western Music
Spring 2018 **Teaching Assistant**
- Understanding Western Music
Fall 2017 **Graduate Student Instructor**
- Introduction to Modern Music

- Spring 2017 **Graduate Student Instructor**
 - Introduction to Modern Music
 - Psychology of Music
- Fall 2016 **Teaching Assistant**
 - Introduction to Modern Music
- Spring 2016 **Teaching Assistant**
 - Introduction to Modern Music
 - Psychology of Music
- Fall 2015 **Teaching Assistant**
 - Introduction to Modern Music

Research Experience

- 2018–2019 **Research Assistant**
 - Project: Music and the Body II
 Principal Investigator: Dr. Suk Won Yi
 Seoul National University Research Grant in 2018
- 2016–2017 **Research Assistant**
 - Project: Music and the Body
 Principal Investigator: Dr. Suk Won Yi
 Seoul National University Research Grant in 2016
- 2014–2015 **Research Assistant**
 - Project: Cognitive Functions of Rhythm: Interdisciplinary Approach
 Principal Investigator: Dr. Kyung Myun Lee
 Funded by Ministry of Science, ICT and Future Planning

AD HOC REVIEWING

Psychology of Music

PROFESSIONAL AFFILIATIONS

- 2025–Present Student Member, International Musicological Society
- 2018–2022 Secretary-General, International Musicological Society Regional Association for East Asia
- 2016–Present Student Member, Society for Music Perception and Cognition
- 2015–2019 Secretary, Korean Society for Music Perception and Cognition
- 2014–Present Student Member, Society for Music Theory