

# SOO HYUN RYU

Phone: 734 263 9085

Email: soohyunr@umich.edu

## EDUCATION

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**University of Michigan, Ann Arbor, MI** Aug 2020 -  
Ph.D. in Psychology (Cognition and Cognitive Neuroscience)

**University at Buffalo, Buffalo, NY** Aug 2017 - May 2019  
M.S. in Computational Linguistics

**Korea University, Republic of Korea** Mar 2017 - Jun 2017  
Earned 9 graduate course credits in Psychology

**Yonsei University, Republic of Korea** Mar 2010 - Feb 2017  
B.A. in Psychology & French Language and Literature

## TEACHING

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**PSYCH 240** Introduction to Cognitive Psychology Graduate Student Instructor; 21W, 21F

## EXPERIENCE

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**Lionbridge** Aug 2019 - Aug 2020  
*Korean Grammar Developer* Remote Freelancer

**NLP\*CL Lab** Jun 2019 - Aug 2020  
*Visiting Researcher* Korea Advanced Institute of Science and Technology

**Natural Language Understanding Lab** May 2018 - Aug 2018  
*Research Intern* Department of Biomedical Informatics, University at Buffalo

**Linguistic Psychology Lab** Jan 2016 - Aug 2017  
*Research Intern* Department of Psychology, Korea University

**Human Development Lab** Mar 2015 - May 2015  
*Research Intern* Department of Psychology, Yonsei University

**Asiana Airlines** Sep 2013 - Aug 2014  
*Intern* Chicago O'Hare Airport

## TECHNICAL STRENGTHS

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**Computer Languages** Python, R, Java, Prolog, SQL, Unix shell script  
**Software & Tools** SPSS, Excel, L<sup>A</sup>T<sub>E</sub>X

## HONORS AND AWARDS

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Korean Government Study Abroad Scholarship (70,000 USD), National Institute for International Education Development, Ministry of Education 2017

Semester Honors, Yonsei University 2012 Fall, 2015 Spring

## PUBLICATIONS

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Ryu, S. H., Yang, W. and Park, J. (Under revision). Flexible Acceptance Condition of Generics from a Probabilistic Viewpoint: Towards Formalization of the Semantics of Generics.

Song, H.\* Ryu, S. H.\*, Lee, H. and Park, J. 2021. A Large-scale Comprehensive Abusiveness Detection Dataset with Multifaceted Labels from Reddit. In Proceedings of the 25th Conference on Computational Natural Language Learning (CoNLL), In press. *\*two authors made equal contribution*

Ryu, S. H., and Lewis, R. L. 2021. Accounting for Agreement Phenomena in Sentence Comprehension with Transformer Language Models: Effects of Similarity-based Interference on Surprisal and Attention. In Proceedings of the Workshop on Cognitive Modeling and Computational Linguistics (CMCL), pages 61-71. ***Best Student Paper Award***

Ryu, S. H., and Chaves, R. P. 2019. On the Interaction Between Dependency Frequency and Semantic Fit in Sentence Processing. Proceedings of the Society for Computation in Linguistics (SCiL), pages 330-333.

## PRESENTATIONS

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Ryu, S. H. and Lewis, R. L. “Accounting for Agreement Phenomena in Sentence Comprehension with Transformer Language Models: Effects of Similarity-based Interference on Surprisal and Attention,” Oral presentation in the Workshop on Cognitive Modeling and Computational Linguistics, June 10th, 2021.

Ryu, S. H., Brickman, A., Hu, J., Jin, R. M., Lee, R., LeHouillier, F. and Elkin, P. L. “Investigation of indeterminacy of temporal information in clinical narratives based on linguistic features of event and time expressions,” Poster presentation in the AMIA Informatics Summit, March 26th, 2019.

Ryu, S. H. and Chaves, R. P. “On the Interaction Between Dependency Frequency and Semantic Fit in Sentence Processing”, Oral presentation in the 2nd Annual Meeting of the Society for Computation in Linguistics, January 4th, 2019.

Kim, S., Ryu, S. H. and Nam, K. “A visual half-field study for meaning process of Korean ambiguous eojeol,” Oral presentation in the 15th Annual Meeting of the Japanese Society for Cognitive Psychology, June 4th, 2017.

## MANUSCRIPTS

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Ryu, S. H. “Implementation of instance-based distributional semantic model in predicting meaning dominance of homonyms,” Master’s Project, advised by Brendan T. Johns, May 2019.

Ryu, S. H. “The effect of similarity between L1 and L2 on L2 acquisition,” Project for Undergraduate Honor Program in Humanities, advised by Hyunjoo-Song, May 2015.