

# Jaeseo Lim, Ph.D.

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## EDUCATION

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2019.09 -2023.08	<b>Ph.D. in Cognitive Science</b> Seoul National University, Seoul, Republic of Korea <i>Thesis: A Time for Better Discussions: Focus on Self-Study and Discussion Combination</i> <i>Advisor: Dr. Jooyong Park</i> GPA: 4.30/4.30
2017.09 -2019.08	<b>M.S. in Cognitive Science</b> Seoul National University, Seoul, Republic of Korea <i>Thesis: How Can We Make Better Use of Discussions in Education?</i> <i>Advisor: Dr. Jooyong Park</i> GPA: 4.30/4.30
2011.03 -2017.08	<b>B.A. in English Language and Literature   Psychology (Double Degree)</b> Yonsei University, Seoul, Republic of Korea GPA: 4.07   3.94 / 4.30 ( <i>Magna Cum Laude</i> )

## ACADEMIC EXPERIENCE

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2024.03	<b>Assistant Professor</b> Dept. of Counseling Psychology, Jeonju University.
2024.01 -2024.03	<b>Postdoctoral Researcher</b> Cognitive Psychology Lab, Dept. of Psychology, Seoul National University. <i>Superviosr: Jooyong Park</i>
2023.09 -2023.12	<b>Postdoctoral Researcher</b> Bigdata Convergence and Open Sharing Sysytaem, Seoul National University. <i>Supervisor: Hong-Gee Kim</i>

## RESEARCH INTERESTS

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- Small Group Performance
- Active Learning in Classroom
- Artificial Intelligence in Education
- Transfer in Education

## PEER-REVIEWED JOURNAL ARTICLES (SCI(E)/SSCI)

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9. **Lim, J.**, Yang, J. W., Song, M. H., & Park, J. (2024). Self-Study and Discussion Promote Student Learning in Science Education. *Science & Education*.
8. **Lim, J.**, Shin, Y., Song, M. H., Lee, S., & Ihm, J. (2024). Self-study in Higher Education: Its Role in Productive Discussions and Learning Outcomes. *Active Learning in Higher Education*.
7. **Lim, J.**, Shin, Y., Lee, S., Chun, M-S., Park, J., & Ihm, J. (2023). Improving learning effects of student-led and teacher-led discussion contingent on prediscussion activity. *The Journal of Experimental Education*, 1-18.
6. **Lim, J.**, & Park, J. (2023). Self-study enhances the learning effect of discussions. *Journal of the Learning Sciences*, 32(3), 455-476.
5. Shin, Y., **Lim, J.**, Kim, Y., Seo, D-G., & Ihm, J. (2022). Effects of virtual body-representation on motor skill learning. *Scientific Report*, 12(1), 15283.
4. Park, J. A., Song, M. A., **Lim, J.**, & Park, J. (2022). Two Faces of Grit-Perseverance: Is It Always Good to Exert Grit? *Journal of Cognitive Psychology*, 34(8), 1-12.
3. **Lim, J.**, Ko, H., Park, J., & Ihm, J. (2022). Effect of active learning and online discussions on the academic performances of dental students. *BMC Medical Education*, 22(1), 1-9.
2. Kim, S., Yang, J. W., **Lim, J.**, Lee, S., Ihm, J., & Park, J. (2021). The impact of writing on academic performance for medical students. *BMC Medical Education*, 21(1), 1-8.
1. **Lim, J.**, Ko, H., Yang, J. W., Kim, S., Lee, S., Chun, M. S., ... & Park, J. (2019). Active learning through discussion: ICAP framework for education in health professions. *BMC Medical Education*, 19(1), 1-8.

## PEER-REVIEWED JOURNAL ARTICLES (KCI, Domestic)

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1. 송민해, 구현우, 박정연, **임재서**, 박주용. 비전문가의 평가 정확도 향상 방안 탐색: 공통 평가 항목 점수 기반 가중치 함수를 활용한 점수 보정 방법 연구. *인지과학*, 35(3), 187-203.

## SELECTED MANUSCRIPTS UNDER REVIEW

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정수정, **임재서** (under review). 대학생의 인간-AI 협력 역량 프로파일 탐색

**Lim, J.**, & Park, J., (under review). Self-Study and Discussion Enhances Learning for High School Students.

**Lim, J.**, Song, M. H., & Ihm, J. (under review). Individual Preparation for Future Discussion: New Paradigm of Better Classroom Discussion.

Song, M. H., **Lim, J.**, Lee, S., Ihm, J., & Park, J. (under review). Effect of Individual Preparation in Collaborative Learning.

Song, M. H., **Lim, J.**, & Park, J. (under review). The Effect of Writing and Peer Assessment on Writing Performance

Song, M. H., **Lim, J.**, Kim, H., & Park, J. (under review). Exploration of Computational Measurement Possibility for the Extent of Writing Revisions

Yang, J. W., **Lim, J.**, & Park, J. (under review). Why Discussion with ChatGPT Enhances Student Learning.

## PEER-REVIEWED CONFERENCE PROCEEDINGS

17. Son, S., **Lim, J.**, Jang, Y., LEE, J., & Zhang, B-T. Learning to Write with Coherence from Negative Examples. *ArXiv:2209.10922*
16. **Lim, J.\***, Lee J.\*, Park, J., & Kim, C. (2022). Emotion Evaluator: Expanding the Affective Lexicon with Neural Network Model. In *Proceedings of the Annual Meeting of the Cognitive Science Society* (Vol. 44, No. 44).
15. **Lim, J.**, Yang, J. W., Lee, J., & Park, J. (2022). The Way to Better Learning Online: Using Online Discussions in College Classes During COVID-19. In *Proceedings of the 16th International Conference of the Learning Sciences-ICLS 2022*, pp. 282-288. International Society of the Learning Sciences.
14. Song, M. H., **Lim, J.**, & Park, J. (2022). The Effect of Weekly Writing and Peer Reviewing Upon Students' Writing Competence. In *Proceedings of the 16th International Conference of the Learning Sciences-ICLS 2022*, pp. 1029-1032. International Society of the Learning Sciences.
13. **Lim, J.\***, Jo, H. \*, & Zhang, B-T. (2021). Devil's Advocate: Novel Boosting Ensemble Method from Psychological Findings for Text Classification. In *Proceedings of the Association for Computational Linguistics: EMNLP 2021* (pp. 2168-2174).
12. **Lim, J.\***, Jo, H. \*, Zhang, B-T. & Park, J. (2021). Passive Versus Active: Frameworks of Active Learning for Linking Humans to Machines. In *Proceedings of the Annual Meeting of the Cognitive Science Society* (Vol. 43, No. 43).
11. **Lim, J.**, Jo, H., Zhang, B. T., & Park, J. (2020). Human-Like Active Learning: Machines Simulating the Human Learning Process. *The 34th Conference on Neural Information Processing Systems (NeurIPS 2020) Workshop on Babymind. Spotlight Talks*
10. Lazaro, M. J. S., **Lim, J.**, kim, S. H., & Yun, M. H. (2019). Wearable Technologies: Acceptance Model for Smartwatch Adoption among Older Adults. In *Human Aspects of IT for the Aged Population. Technologies, Design and User Experience: 6th International Conference, ITAP 2020, Held as Part of the 22nd HCI International Conference, HCII 2020, Copenhagen, Denmark, July 19–24, 2020, Proceedings, Part I 22* (pp. 303-315). Springer International Publishing.
9. Kang, G. C., **Lim, J.**, & Zhang, B-T. (2019). Dual Attention Networks for Visual Reference Resolution in Visual Dialog. In *Proceedings of the Association for Computational Linguistics: EMNLP 2019*
8. Kim, T., Kwak, M., Yang, S. H., **Lim, J.**, & Zhang, B-T. (2019). WithDorm: Dormitory Solution for Linking Roommates. In *Proceedings of the 21st International Conference on Human-Computer Interaction with Mobile Devices and Services* (pp. 1-6).
7. **Lim, J.**, Shin, B., & Park, J. (2019). Discussions: A Medium that Promotes Learning. In *Proceedings of the 83rd Annual Convention of the Japanese Psychological Association (JPA)*.

6. Cho, S., **Lim, J.**, Hickey, C., & Zhang, B-T. (2019). Simulating Problem Difficulty in Arithmetic Cognition Through Dynamic Connectionist Models. In *Proceedings of the 17th International Conference on Cognitive Modeling (ICCM 2019)*.
5. Cho, S., **Lim, J.**, Hickey, C., & Zhang, B-T. (2019). Problem Difficulty in Arithmetic Cognition: Humans and Connectionist Models. In *Proceedings of the 41st Annual Meeting of the Cognitive Science Society*.
4. Kang, G. C., **Lim, J.**, & Zhang, B-T. (2019). Sequential Attention-based Networks for Visual Reference Resolution in Visual Dialog. In *Proceedings of the 37th information Technology and Industry Prospects (iTIP 2019)*.
3. Kang, G. C., **Lim, J.**, & Zhang, B-T. (2019). Dual Attention Networks for Visual Reference Resolution in Visual Dialog. *Conference on Computer Vision and Pattern Recognition (CVPR 2019) VQA and Dialog Workshop*.
2. Heo, Y. J., On, K. W., Choi, S., **Lim, J.**, Kim, J., Ryu, J. K., ... & Zhang, B-T. (2019). Constructing Hierarchical Q\&A Datasets for Video Story Understanding. *AAAI Spring Symposium Series*
1. **Lim, J.**, & Park, J. (2019). When Are Discussions More Effective: After a Lecture or Self-Study? In *Proceedings of the 8th Annual International Conference on Cognitive and Behavioral Psychology (CBP)*.

## INVITED TALKS & GUEST LECTURES

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3. **임재서** (2024. 08). 전북특별자치도 전문상담 교사 연수 프로그램. 전주대학교.
2. **임재서** (2024. 07). 대학원생을 위한 대학교원 임용 준비 프로그램. 서울대학교 경력개발센터.
1. **임재서** (2024. 04). 동문 네트워크 기반 소그룹 멘토링: 인문사회계열 교수임용. 서울대학교 경력개발센터.

## REFERRED PRESENTATIONS

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11. 백새봄, 임다미, **임재서**, 정수정 (2024. 05). 대학원생의 인간-AI 협력 역량 프로파일 탐색. 2024 한국교육공학회 춘계학술대회.
10. 박정애, 송민해, **임재서**, 박주용 (2024. 05). 학습 과제 수행 시 시간 중심 전략이 효과성 검증 연구. 2024 한국인지및생물심리학회 학술대회.
9. **Lim, J.** (2022. 07). Passive vs. Active. Frameworks of Active Learning for Linking Humans to Machines. CogSci 2022 Local Meetup.
8. **Lim, J.** Yang, J. W., Kim, S., & Park, J. (2021. 05). Optimizing Online Discussions to Promote Learning for Medical Students. The 33rd Association for Psychological Science (APS) Annual Convention.
7. **Lim, J.**, & Park, J. (2020. 07). Comparing Learning Outcomes After Different Pre-Learning Activities. Meeting of the Cognitive Science Society (CogSci 2020).

6. **Lim, J.**, & Park, J. (2020. 07). How to Enhance Discussion Effect on Learning. The 42nd Annual Meeting of the Cognitive Science Society (CogSci 2020).
5. **Lim, J.** Yang, J. W., Kim, S., & Park, J. (2019. 05). How to Enhance Discussion Effect on Learning. The 31st Association for Psychological Science (APS) Annual Convention.
4. **Lim, J.** Kang, G-C. (2019. 07). Human-like Memory Architecture for Visual Reference Resolution. The 12nd International Conference on Cognitive Science (ICCS 2019)
3. **Lim, J.** Yang, J. W., Kim, S., & Park, J. (2019. 05). How to Enhance Discussion Effect on Learning. The 31st Association for Psychological Science (APS) Annual Convention.
2. Park, J. A., Song, M. H., **Lim, J.**, Park, J. (2019. 05). Grit Can Hurt You. The 31st Association for Psychological Science (APS) Annual Convention.
- 1 **Lim, J.**, Park, J. (2017. 08). How Learning Method Affect Learning Outcome: Focusing on Discussions in Learning. The 72nd Annual conference on Korean psychological association.

## GRANTS & SCHOLARSHIPS

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2024.05-	<b>정착연구지원사업</b> Funded by 전주대학교 (₩5,000,000)
2022.11	<b>AI Young Researcher Scholarship</b> Funded by 을촌, 서울대학교 (₩10,000,000)
2022.05	<b>Scholarships for Outstanding Graduate</b> Funded by 서울대학교 (₩10,000,000)
2021.06 -2023.05	<b>학문 후속세대 박사과정생연구장려금 (이공학)</b> Funded by 한국연구재단 (₩40,000,000)

## AWARDS & ACADEMIC HONORS

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2022	<b>Outstanding Ph.D. Thesis</b> - Seoul National University
2019	<b>Visual Dialog Challenge 3rd Place</b> - CVPR 2019
2015	<b>Honorable Mention Award</b> - Korean Institute of Intelligent Systems
2011 -2017	<b>Academic Excellence (Eight times)</b> - Yonsei University

## RESEARCH PROJECTS

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## ***Principal Investigator***

2024.05-      **신임교원 정착연구지원**  
-    전주대학교

2021.06      **이공분야 학문후속세대**  
-2023.05      -    교육부, 한국연구재단

## ***Researcher***

2022.01      **Meta-learning-based efficient learning techniques for drone AI**  
-2022.04      -    Source Technology Development Project for Artificial Intelligence

2020.09      **생활안전데이터**  
-2020.12      -    Seoul National University College of Medicine's Project on Medical AI Training Data Construction

2020.04      **Babymind**  
-2021.03      -    Seoul National University AI research center

2018.10      **치의학 전공 대학생 역량 및 선발 모델링**  
-2019.09      -    Seoul National University Dental Research Institute, School of Dentistry

2018.05      **Video Turing Test (VTT)**  
-2020.01      -    Seoul National University Computer research center

2018.02      **서울대학교 수업계획서 분석 연구 (Project Manager)**  
-2018.05      -    서울대학교 심리학과

## **TEACHING EXPERIENCES**

### ***Course Taught – Jeonju University***

Spring 2024    **05734-01: Introduction to Psychology**  
Undergraduate level, 3-credit, Face-to-Face

Spring 2024    **13857-01: Health Psychology**  
Undergraduate level, 3-credit, Face-to-Face

Spring 2024    **DCP7107-02: Introduction to Psychology for Graduate**  
Graduate level, 2-credit, Face-to-Face

### ***TEACHING ASSISTANT – Seoul National University***

Fall 2019      **132.505 Methodology in Cognitive Science**  
Master's level, 3-credit, Face-to-Face, Instructor: Dr. Sung-Eun Lee

Spring 2020    **132.502: Introduction to Cognitive Science**  
Undergraduate level, 3-credit, Face-to-Face, Instructor: Dr. Sung-Eun Lee

- Fall 2019     **132.505 Methodology in Cognitive Science**  
Master's level, 3-credit, Face-to-Face, Instructor: Dr. Sung-Eun Lee
- Spring 2019     **132.502: Introduction to Cognitive Science**  
Undergraduate level, 3-credit, Face-to-Face, Instructor: Dr. Sung-Eun Lee

## PROFESSIONAL SERVICE

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### ***Peer Review*** (alphabetical order)

- BMC Medical Education (2020-)
- Cognitive Science Society (2020-2023)
- Empirical Methods in Natural Language Processing (2020-2021)
- The Asia-Pacific Education Researcher (2024)

### ***Dissertation Committee***

- Bogon Kim
- Eun-Sook Kang
- Hyo-Eun Lee
- Seungyong Lee
- Eunjin Kim
- So-Hee Kim
- Jiyeon Park (Chair)

### ***Ad Hoc***

- 전주대학교 연구윤리심의위원회
  - 위원, 전주대학교

## PROFESSIONAL MEMBERSHIP

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- American Psychological Association (APA)
- Cognitive Science Society (CogSci)
- International Society of the Learning Sciences (ISLS)
- Korean Psychological Association
- Korean Society of Educational Technology (KSET)

## REFERENCES

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Dr. Park, Jooyong (Master's and Doctoral Advisor)  
Professor  
Department of Psychology, Seoul National University  
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