

# 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 -current	<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>Supervisor: Jooyong Park</i>
2023.09 -2023.12	<b>Postdoctoral Researcher</b> Bigdata Convergence and Open Sharing System, Seoul National University. <i>Supervisor: Hong-Gee Kim</i>

## RESEARCH INTERESTS

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- Small Group Performance
- Learning Sciences (particularly, Active Learning in Classroom)
- Artificial Intelligence in Education
- Cognitive Science

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

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12. Song, M. H., **Lim, J.**, Kim, H., Park, J. (in-press). The Impact of Hybrid Collaboration Methods on Idea Quantity, Quality, and Collaborative Interactions. *Psychological Reports*.
11. Yang, J. W., Choe, K., **Lim, J.**, & Park, J. (2025). Asking Questions Matters: Comparing the Effect of Learning through Dialogue with Peers, ChatGPT, and Intelligent Tutoring System. *Interactive Learning Environments*.
- 10 **Lim, J.\* (co-first author)**, Song, M. H.\*, Lee, S., Ihm, J., & Park, J. (2025). Enhancing Group Outcomes: The Role of Individual Preparation in Collaborative Learning. *BMC Medical Education*, 25(1), 524.
9. **Lim, J.**, Yang, J. W., Song, M. H., & Park, J. (2024). Self-Study and Discussion Promote Students' Science Learning. *Science & Education*, 34, 2459-2477.
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. (2024). Improving learning effects of student-led and teacher-led discussion contingent on prediscussion activity. *The Journal of Experimental Education*, 92(4), 626-643.
- 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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3. 임재서 (in-press). ICAP 프레임워크를 통한 토론 준비 학습: 사전 자기주도학습이 토론 학습에 미치는 효과, *교육정보미디어연구*, 31(4),
2. 정수정, 임재서 (2024). 대학생의 인간-AI 협력 역량 프로파일 탐색. *교육정보미디어연구*, 30(5), 1473-1498. \*혁신연구상\*

1. 송민해, 구현우, 박정연, **임재서**, **박주용** (2024). 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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**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

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## PEER-REVIEWED CONFERENCE PROCEEDINGS

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19. Song, M.H., **Lim, J.**, Park, J., & **Park, J.** (2025) Enhancing learning effect of collaborative learning through individual preparation with peer feedback, The 2025 International Conference on Open and Innovative Education (ICOIE 2025)
18. Lee, J., & **Lim, J.** (2023). What makes you trust voice agent: An assessment on news credibility of voice intelligent agent. In *International Journal of Psychology*, **58**, 472-473.
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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6. **임재서** (2025. 08). 2025 하계 희소교과 중등 1 급 정교사 자격 연수: 전문상담교사 연수. 전주대학교
5. **임재서** (2025. 07). 대학교원 임용 A to Z. 서울대학교 경력개발센터.
4. **임재서** (2025. 05). 지역연계 진로탐색 프로그램. 전주대학교.
3. **임재서** (2024. 08). 전북특별자치도 1 급 정교사 연수: 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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14. **Lim, J.**, & Song, M. H. (2025. 06). The role of Self-Study in Enhancing Collaborative Learning. The first International Conference On Learning Sciences and Educational Innovation 2025.
13. Ha, J., Su, M., Jeong, S., Yan, L., & **Lim, J.** (2025. 05). Enhancing Student Learning through Collaborative Digital Media: Evaluating Chemistry Courses via the ICAP Framework. 2025 교육정보미디어학회 춘계학술대회.
12. **임재서**, 송민해, 김가현, 박주용 (2024. 08). 개요 작성이 글의 질에 미치는 영향. 2024 한국심리학회 연차학술대회
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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2025.01 -current	<b>대학원생 졸업 후 만족도 및 현업적용도 평가 (Commissioned Research Expense)</b> Funded by 서울대학교 (₩22,000,000)
2024.05 -2025.04	<b>정착연구지원사업</b> Funded by 전주대학교 (₩5,000,000)
2022.11	<b>AI Young Researcher Scholarship</b> Funded by 울촌, 서울대학교 (₩10,000,000)
2022.05	<b>Scholarships for Outstanding Graduate</b> Funded by 서울대학교 (₩10,000,000)
2021.06 -2023.05	<b>학문후속세대 박사과정생연구장려금 (이공학)</b> Funded by 한국연구재단 (₩40,000,000)

## AWARDS & ACADEMIC HONORS

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2025	<b>Innovative Research Award</b> - 2025 Spring Conference of the Korean Association for Educational Information and Media
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- 2025.03	<b>신임교원 정착연구지원: 대학생의 인간-AI 협력 역량 프로파일 탐색</b> - 전주대학교
2021.06 -2023.05	<b>이공분야 학문후속세대</b>

- 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**

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### ***Courses Taught – Jeonju University***

- Fall 2025      **15509-0E: Career development Seminar (2)**  
 Undergraduate level, 1-credit, Face-to-Face
- 17688-01: Basics of Counseling Psychology**  
 Undergraduate level, 1-credit, Online course
- 17822-01: Research Methods in Psychology**  
 Undergraduate level, 3-credit, Face-to-Face
- 11504-01: Psychological Statistics**  
 Undergraduate level, 3-credit, Face-to-Face
- COU5001-01: Research Methods in Counseling Psychology**  
 Graduate level, 3-credit, Face-to-Face
- DCP7601-01: Counseling Research**  
 Graduate level, 2-credit, Face-to-Face
- DCP7601-02: Counseling Research**  
 Graduate level, 2-credit, Face-to-Face
- 171318-01: Introduction to Learning Sciences**  
 Graduate level, 2-credit, Face-to-Face

Spring 2025	<b>15488-57: Career development Seminar (1)</b> Undergraduate level, 1-credit, Face-to-Face
	<b>17536-01: Cognitive Psychology</b> Undergraduate level, 3-credit, Face-to-Face
	<b>17688-01: Basics of Counseling Psychology</b> Undergraduate level, 1-credit, Online course
	<b>05734-01: Introduction to Psychology</b> Undergraduate level, 3-credit, Face-to-Face
	<b>171202-00: Personality Psychology</b> Graduate level, 2-credit, Face-to-Face
	<b>COU5009-01: Advanced Statistics in Psychology</b> Graduate level, 3-credit, Face-to-Face
Fall 2024	<b>DCP7107-01: Introduction to Psychology for Graduate</b> Graduate level, 2-credit, Face-to-Face
	<b>COU5001-01: Research Methodology</b> Graduate level, 3-credit, Face-to-Face
	<b>171318-01: Introduction to Learning Sciences</b> Graduate level, 2-credit, Face-to-Face
	<b>DCP7601-01: Counseling Research</b> Graduate level, 2-credit, Face-to-Face
	<b>DCP7601-02: Counseling Research</b> Graduate level, 2-credit, Face-to-Face
	<b>15508-5J: Job Design Seminar (2)</b> Undergraduate level, 1-credit, Face-to-Face
	<b>16300-01: Research Methods in Psychology</b> Undergraduate level, 3-credit, Face-to-Face
	<b>11504-01: Psychological Statistics</b> Undergraduate level, 3-credit, Face-to-Face
Spring 2024	<b>05734-01: Introduction to Psychology</b> Undergraduate level, 3-credit, Face-to-Face
	<b>13857-01: Health Psychology</b> Undergraduate level, 3-credit, Face-to-Face
	<b>DCP7107-02: Introduction to Psychology for Graduate</b> Graduate level, 2-credit, Face-to-Face

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

Fall 2019	<b>132.505 Methodology in Cognitive Science</b> Master's level, 3-credit, Face-to-Face, Instructor: Dr. Sung-Eun Lee
Spring 2020	<b>132.502: Introduction to Cognitive Science</b> 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)
- ACM CHI Conference on Human Factors in Computing Systems (2024-)
- International Society of the Learning Sciences (2022-)

### ***Dissertation Committee***

- Hee-Ja Gil (Master)
- Yumi Lee (Master)
- Yeju Ji (Master)
- Suyeon Kim (Master)
- Jisu Yu (Master)
- Seungha Lee (Master)
- Jihye Lee (Master)
- Dae Hi Kim (Ph.D.)
- Mi Hyun Baek (Master)
- Myeonga Jeong (Master)
- Bogon Kim (Master)
- Eun-Sook Kang (Master)
- Hyo-Eun Lee (Master)
- Seungyong Lee (Master)
- Eunjin Kim (Master)
- So-Hee Kim (Master)
- Jiyeon Park (Master, Chair)

### ***Ad Hoc***

- 생명윤리심의위원회
  - 위원, 전주대학교
- 공정관리대책위원회
  - 위원, 전주대학교
- 대학원위원회
  - 위원, 전주대학교

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## **PROFESSIONAL MEMBERSHIP**

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- Association for Computing Machinery (ACM)
- American Psychological Association (APA)
- Cognitive Science Society (CogSci)
- International Society of the Learning Sciences (ISLS)
- Korean Psychological Association
- Korean Association for Educational Information and Media
- 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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Associate Professor  
School of Dentistry, Dental Research Institute, Seoul National University  
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