Jeonghyun (Jonna) Lee, Ph.D.

Director of Research in Education Innovation (Senior Research Scientist)

The Center for 21st Century Universities | College of Lifetime Learning | Georgia Institute of Technology

Campus Location: 505 10th St NW, Atlanta, GA 30332; 404-385-2347

RESEARCH INTERESTS:

Dr. Jeonghyun (Jonna) Lee's research sits at the intersection of the learning sciences, educational technology, and higher education, with a focus on understanding and improving learner motivation, engagement, and success at scale. Her work examines how emerging technologies, particularly artificial intelligence, learning analytics, and digital credentialing, can be designed and implemented to support effective, human-centered learning across online, blended, and lifelong learning contexts. She leads both large-scale, data-driven studies of student persistence and performance and design-oriented research on AI-powered instructional and assessment tools, with an emphasis on translating empirical insights into educational practice, institutional strategy, and policy.

TEACHING INTERESTS:

Dr. Lee's teaching focuses on data-driven education, learning analytics, and the design and evaluation of technology-enhanced learning systems. She emphasizes project-based, research-integrated instruction that bridges theory and practice, preparing students to analyze educational data, design evidence-based interventions, and critically evaluate AI-enabled learning tools. As a lead instructor for the *Data-Driven Education* course in Georgia Tech's Vertically Integrated Projects (VIP) program, she mentors undergraduate students in applied research on educational innovation, fostering interdisciplinary collaboration and authentic research experiences.

EDUCATION:

Ph.D. in Educational Psychology December 2018
(Area: Human Development, Culture, and Learning Sciences)
The University of Texas at Austin *Austin, Texas*

M.A. in Foreign Language Education (TESOL) May 2014
The University of Texas at Austin *Austin, Texas*

B.A. in English Language Education February 2009
Korea University *Seoul, South Korea*

RECENT SCHOLARLY OUTPUT:

PEER-REVIEWD JOURNAL PUBLICATIONS

Yilmaz Soylu, M., Gallard, A., **Lee, J**., Grigoryan, G., Desai, R., & Harmon, S. (2025). Streamlining admission with LOR insights: AI-Based leadership assessment in online master's program. *Discover Artificial Intelligence, 5*, 276 (2025). https://doi.org/10.1007/s44163-025-00456-w

Schiff, D. S., **Lee, J.**, Borenstein, J., & Zegura, E. (2025). Influences and inhibitors in STEM undergraduate social responsibility development. *International Journal of STEM Education*, *12*(1), 1-17. https://doi.org/10.1186/s40594-025-00553-3

Yilmaz Soylu, M., **Lee, J**., Hung, J. T., Cui, C. Z., & Joyner, D. (2025). AI literacy as a key driver of user experience in AI-powered assessment: insights from Socratic mind. *Interactive Learning Environments*, 1-17. https://doi.org/10.1080/10494820.2025.2564739

Page, L. C., Meyer, K., **Lee, J.,** & Gehlbach, H. (2025). Conditions Under Which College Students Can Be Responsive to Text-Based Nudging. *Journal of Research on Educational Effectiveness*, 1–29. https://doi.org/10.1080/19345747.2025.2481219

Lee, J., Soylu, M. Y., & Ou, C. (2023). Exploring insights from online students: Enhancing the design and development of intelligent textbooks for the future of online education. *International Journal on Innovations in Online Education*, *7*(2). https://doi.org/10.1615/IntJInnovOnlineEdu.2023049742

Schiff, D. S., **Lee, J.**, Borenstein, J., & Zegura, E. (2023). The impact of community engagement on undergraduate social responsibility attitudes. *Studies in Higher Education*, 1-17. https://doi.org/10.1080/03075079.2023.2260414

Zengilowski, A., **Lee, J**., Gaines, R. E., Park, J. H., Choi, E., & Schallert, D. (2023). The collective classroom *"we"*: The role of students' sense of belonging on their affective, cognitive, and discourse experiences of online and face-to-face discussions. *Linguistics and Education, 73*, 101142. https://doi.org/10.1016/j.linged.2022.101142

Lee, J. & **Lee, J.** (2023). Development of Argumentative Writing Ability in EFL Middle School Students. *Reading & Writing Quarterly*, 1-18. https://doi.org/10.1080/10573569.2022.2161438

Soleimani, F., Soylu, M. Y., & **Lee, J.** (2022). Analyzing learners engagement in a MicroMasters program compared to non-degree MOOC. *Journal of Research on Technology in Education*. https://doi.org/10.1080/15391523.2022.2121342

Lee, J., Soleimani, F., Irish, I., Hosmer, IV, J., Soylu M. Y., Finkelberg, R., & Chatterjee, S. (2022). Predicting cognitive presence in at-scale online learning: MOOC and for-credit online course environments, *Online Learning, 26*(1), 58-79. https://doi.org/10.24059/olj.v26i1.3060

Lee, J., Soleimani, F., & Harmon, S. W. (2021). Emergency move to remote teaching: A mixed-method approach to understand faculty perceptions and instructional practices. *American Journal of Distance Education, 35,* 259-275. https://doi.org/10.1080/08923647.2021.1980705

Choi, E., Gaines, R. E., Park, H. J., Williams, K. M., Schallert, D. L., Yu, L. T., & **Lee, J.** (2016). Small stories in online classroom discussion as resources for preservice teachers' making sense of becoming a bilingual educator. *Teaching and Teacher Education, 58*, 1-16.

Williams, K. M., Park, J. H., Gaines, R. E., Choi, E., **Lee, J. J.**, Mattar, L. I., & Schallert, D. L. (2016). "I wonder if…" The Process of Inquiry in Support of Students' Co-Learning from Online Discussion. *Literacy Research: Theory, Method, and Practice, 65*(1), 365-383.

PEER-REVIEWD CONFERENCE PROCEEDINGS

Lee, J., Grigoryan, G., Desai, R., Gallard, A. J., & Yilmaz Soylu, M. (2025, Oct). Leveraging Large Language Models to Detect and Summarize Cognitive Presence in Online Discussion Forums. In *2025 IEEE Digital Education and MOOCS Conference (DEMOcon)* (pp. XX). IEEE.

Yilmaz Soylu, M., Lee, J., & Hüsing, Z. (2025, October 30). Exploring influence of emotions, engagement, and confidence on VR presence in multimodal communication course. *Virtual Conference Day, Association for the Study of Higher Education (ASHE) 2025 General Conference.*

Soylu, M. Y., **Lee, J.**, & Hüsing, Z. (2025, June). Exploring the Impact of Virtual Reality on Students' Perceptions and Competency in Multimodal Communication. *Immersive Learning Research-Academic*, 176-185. https://doi.org/10.56198/m6ark564

Soylu, M. Y., & **Lee, J.** (2024, Oct). Analyzing Interplay of Metacognition, Cognitive Presence, and Course Performance in MOOCs and Master Course Forums. In *2024 IEEE Digital Education and MOOCS Conference (DEMOcon)* (pp. 1-6). IEEE. https://doi.org/10.1109/DEMOcon63027.2024.10748167

Soylu, M. Y., Kim, L., & **Lee, J.** (2024, May). Insights into College Students' Experiences and Expectations for VR Integration in Education. *Immersive Learning Research - Practitioner*, *1*(1), 13–15. https://doi.org/10.56198/5M1RHO9EI

Irish, I., Chatterjee, S., Jivani, S., Jia, X., **Lee, J.,** Arriaga, R., & Starner, T. (2023, July). Managing the Chaos: Approaches to Navigating Discussion Forums for Instructional Staff. In *Proceedings of the Tenth ACM Conference on Learning@ Scale* (pp. 406-410). https://doi.org/10.1145/3573051.3596197

Soleimani, F., **Lee, J.**, Yilmaz Soylu, M., & Chatterjee, S. (2022, June). Influential Text-Based Features in Predicting Admission Status of Online Degree Applicants. In *Proceedings of the Ninth ACM Conference on Learning@ Scale* (pp. 360-363). https://doi.org/10.1145/3491140.3528318

Soleimani, F., & **Lee, J.** (2021, June). Comparative analysis of the feature extraction approaches for predicting learners progress in online courses: MicroMasters credential versus traditional MOOCs. In *Proceedings of the Eighth ACM Conference on Learning@ Scale* (pp. 151-159). https://doi.org/10.1145/3430895.3460143

Hosmer IV, J., & **Lee, J.** (2021, June). How Online Learners Build Cognitive Presence: Implications from a Machine Learning Approach. In *Proceedings of the Eighth ACM Conference on Learning@ Scale* (pp. 351-354). https://doi.org/10.1145/3430895.3460986

Staudaher, S., **Lee, J.**, & Soleimani, F. (2020, August) Predicting applicant admission status for Georgia Tech's Online Master's in Analytics Program. *In Proceedings of the Seventh ACM Conference on Learning @ Scale (L@S '20)* (pp. 309-312). https://dl.acm.org/doi/10.1145/3386527.3406735

BOOK CHAPTERS

Kreth, Q., Schiff, D.S., **Lee, J.**, Borenstein, J., Zegura, E. (2024). Social responsibility and ethics in STEM education: The state of the field. In: Hildt, E., Laas, K., Brey, E.M., Miller, C.Z. (eds) Building Inclusive Ethical Cultures in STEM. *The International Library of Ethics, Law and Technology, vol 42*. Springer, Cham. https://doi.org/10.1007/978-3-031-51560-6_2

Lee, J., Soleimani, F., Harmon, S.W. (2022). Reflecting on a year of emergency remote teaching. In Dennen, V., Dickson-Deane, C., Ge, X., Ifenthaler, D., Murthy, S., Richardson, J.C. (Eds.) *Global Perspectives on Educational Innovations for Emergency Situations. Educational Communications and Technology: Issues and Innovations*. Springer, Cham. https://doi.org/10.1007/978-3-030-99634-5_17

Lee, J. J., Lisle, M., & Courville, T. (2021). Adapting vertically-scaled solutions across many Georgia Tech classes. In Gazi, Y. & Baker, N. (Eds.), *Moving Horizontally: The New Dimensions of At-Scale Learning at the Time of COVID-19* (pp. 115-130). Georgia Institute of Technology. Retrieved from: http://hdl.handle.net/1853/64296

OTHER PUBLICATIONS AND INVITED TALKS

Page, L. C., Meyer, K., **Lee, J.**, & Gehlbach, H. (2024, December). Conditions under which college students can be responsive to nudging. (Working Paper: 33257). Retrieved from *National Bureau of Economic Research*: https://doi.org/10.3386/w33257

Lee, J. (2024, May). Leveraging LLMs to assess soft skills in lifelong learning. *Times Higher Education*. https://www.timeshighereducation.com/campus/leveraging-llms-assess-soft-skills-lifelong-learning

Lee, J. & Sembrat, E. (2023, October). Moving microcredentials forward: How universities are incubators and early adopters. *Times Higher Education*. https://www.timeshighereducation.com/campus/moving-microcredentials-forward-how-universities-are-incubators-and-early-adopters

Panelist. (2023, June). Campus webinar: Getting digital assessment right. *Times Higher Education Campus*. Retrieved from https://www.timeshighereducation.com/campus/campus-webinar-getting-digital-assessment-right.

Page, L. C., Meyer, K., **Lee, J.**, & Gehlbach, H. (2023). Conditions under which college students can be responsive to nudging. (EdWorkingPaper: 20 -242). Retrieved from *Annenberg Institute at Brown University*: https://doi.org/10.26300/vjfs-kv29

Lee, J. (2023, May). Effective assessment practices for a ChatGPT-enabled world. *Times Higher Education Campus*. Retrieved from https://www.timeshighereducation.com/campus/effective-assessment-practices-chatgptenabled-world.

Lee, J. & Yilmaz Soylu, M. (2022, September). In the loop: how formative feedback supports remote teaching. *Times Higher Education Campus*. Retrieved from https://www.timeshighereducation.com/campus/loop-how-formative-feedback-supports-remote-teaching.

Lee, J. (2020, December). How Challenging is Remote Instruction During a Pandemic? *CIOReview*. https://education.cioreview.com/cxoinsight/how-challenging-is-remote-instruction-during-a-pandemic-nid-33467-cid-27.html

GRANTS

NSF Grant # 1635554: Institutional Transformation: The Role of Service Learning and Community Engagement on the Ethical Development of STEM Students and Campus Culture. PI: Jason Borenstein, Co-PIs: Ellen Zegura, Wendy Newstetter, & Colin Potts. Award amount: approximately $600K. Award Period: 2016 – 2022.
This project focused on the ethical responsibility of STEM professionals to critically examine the role of technology and to understand how its design impacts society at large. A key goal of the proposed research was to determine which specific facets of student participation in community engagement help students to become better attuned to promoting the public's well-being. Lee participated in this project between April 2020 and August 2022 as research personnel and she contributed to analyzing longitudinal survey data, which led to publishing a paper on social responsibility attitudes among undergraduate computer science students at 2022 ASEE Annual Conference & Exposition (Engineering Ethics Division Best Paper Award)

NSF Grant # 2033578: Competency Catalyst Phase II. PI: Robert Robson, Co-PIs: Jeanne Kitchens, Myk Garn, Ashok Goel, & Elliot Robson. Award amount: approximately $500K. Award Period: 2020 – 2022.
This project aimed to help build America's reskilling capacity and involved the development of a Competency Catalayst platform that offers the AI-based mapping and alignment services and the development of a web application, SkillSync that was designed to facilitate and add clarity to company-college collaboration to expedite the development of reskilling programs that are fully aligned with workforce needs. Lee participated as a participatory design researcher and contributed to developing a question-answering AI agent that assists users of SkillSync

CONFERENCE PRESENTATIONS

Lee, J., Yilmaz Soylu, M., Hung, J., Cui, C., Joyner, D., & Starner, T. (2025, March). Socratic Mind: Innovating Learning with AI-Powered Oral Assessment. *Online Learning Consortium (OLC) Innovate 2025 Virtual Conference*.

Yilmaz Soylu, M., Lee, J., Godshalk, R., Gallard, A., & Sembrat, E. (2025, March). From Concept to Reality: Detecting and Assessing 21st-Century Skills for Online Program Success Using LLM. *UPCEA 2025 Annual Conference,* Denver, Colorado.

Godshalk, R., **Lee, J.**, Yilmaz Soylu, M., & Sembrat., E. (2024, October). Human Required? Predicting Student Success Using AI in Massive Online Open Course Environments. *Affordable Degrees at Scale 2024*, Atlanta, Georgia.

Yilmaz Soylu, Gallard, A., & Lee, J. (2024, October). Using ReAct with Large Language Models. *Affordable Degrees at Scale 2024*, Atlanta, Georgia.

Yilmaz Soylu, M., **Lee, J.**, Harmon, S., Schumacher, E., & Nguyen, T. (2024, July). Decoding the Brain's Response to Instructional Design in Online Course Videos. *2024 SOLA+R and DT&L Conference*, Minneapolis, Minnesota.

Yilmaz Soylu, M., & **Lee, J.** (2024, April). Examining College Students' Readiness of Virtual Reality in Education. *2024 AERA Annual Meeting*, Philadelphia, Pennsylvania.

Yilmaz Soylu, M. **Lee, J.**, & Husing, Z. (2024, April). Transforming Higher Education: Harnessing Virtual Reality in an Undergraduate Classroom. *2024 USG Teaching and Learning Conference*, Athens, Georgia

Gallard, A. Yilmaz Soylu, M., **Lee, J.**, Desai, R. (2024, April). Enhancing Graduate Admissions: Leveraging AI for Leadership Assessment in LORs. *AI for Lifetime Learning Symposium*, Atlanta, Georgia.

Lee, J., Yilmaz Soylu,M. (2024, April). Exploring Students' Learning Experience and Perceptions Towards Affordances of ChatGPT. *AI for Lifetime Learning Symposium*, Atlanta, Georgia.

DiPirro, M., Yilmaz Soylu, M., **Lee, J.**, Sembrat, E., Goetzel, W., Moss, K., Matthews, C. (2024, March). Digital Credentials as Catalyst for Change and Innovation. *UPCEA 2024 Annual Conference*, Boston, Massachusetts

Freeman, S., Goetzel, W., **Lee, J.**, Sembrat, E. (2024, March). User Insights in LMS Digital Credentials in Lifelong Education. *Digital Credentials Summit 2024*. New Orleans, Louisiana

Lee, J., Yilmaz Soylu, M., & Gallard, A. (2023, April). Data analytics approaches to understanding student enrollment and learning outcomes in an online MicroMasters program. *Online Learning Consortium (OLC) Innovate 2023*, Nashville, TN.

Yilmaz Soylu, M., & **Lee, J.** (2023, July). Investigating Metacognitive Presence in a MOOC Course Environment. *2023 SOLA+R and DT&L Conference*, Madison, Wisconsin.

Yilmaz Soylu, M., **Lee, J**., Gallard, A. (2023, December). Using NLP to Identify Leadership Skills for Online Master's Program Admissions. *Affordable Degrees at Scale 2023*, Atlanta, Georgia.

Lee, J., Yilmaz Soylu, M., Gallard, A. (2023, December). Leveraging Data Analytics for Online STEM MicroMasters Program Enhancement. *Affordable Degrees at Scale 2023*, Atlanta, Georgia.

Soleimani, F., **Lee, J.**, & Yilmaz Soylu, M. (2023, April). Exploring the influence of academic background on student success in an online graduate degree program. Paper session presented at the virtual *2023 American Educational Research Association (AERA) Annual Meeting*.

Lee, J., Yilmaz Soylu, M., & Gallard, A. (2023, April). Data analytics approaches to understanding student enrollment and learning outcomes in an online MicroMasters program. *Online Learning Consortium (OLC) Innovate 2023*, Nashville, TN.

Lee, J., Soleimani, F., & Yilmaz Soylu, M. (2022, November). Online master's student enrollment and retention trends: Comparison between pre- and post-pandemic. *University Professional and Continuing Education Association (UPCEA) South Region Conference*. Atlanta, GA.

Yilmaz Soylu, M. & **Lee, J.** (2022, November). Using learning analytics for evaluating 21st century skills on admission to online degree program. *University Professional and Continuing Education Association (UPCEA) South Region Conference.* Atlanta, GA.

Lee, J., Bezdek, M., Soylu, M. Y., Soleimani, F., Nguyen, T., Joshi, J., Chanda, R., Schumacher, E., & Harmon, S. W. (2022, July). Relating neural mechanisms for learning to instructional events in online learning environments. Poster session presented at the *2022 International Mind, Brain and Education Society (IMBES) Conference*. Montreal, Canada.

Schiff, D., **Lee, J.**, Borenstein, J., & Zegura, E. (2022, February). Influences and Inhibitors in Undergraduate Social Responsibility Development: Evidence from a Mixed-Methods Longitudinal Study. *Association for Practical and Professional Ethics (APPE) Annual Meeting*, Cincinnati, OH.

Lee, J., Soleimani, F., & Harmon, S. (2021, April). Lessons learned from an emergency move to remote teaching: Implications for supporting faculty during and beyond the pandemic. Collaborative session presented at the virtual *2021 University Professional and Continuing Education Association (UPCEA) Annual Conference.*

Lee, J. & Soleimani, F. (2021, April). Emergency move to remote teaching: Implications for faculty's perceptions and institutional practices. Paper session presented at the virtual *2021 American Educational Research Association (AERA) Annual Meeting*.

Lee, J. & Soleimani, F. (2021, April). Analyzing MOOC environment using clickstream events data: Implications for learners' cognitive experience. Round table session presented at the virtual *2021 American Educational Research Association (AERA) Annual Meeting*.

Lee, J. (2020, April). College students' sense of classroom belonging and engagement over time: A structural equation modeling Approach. Poster session at the *American Educational Research Association (AERA) Annual Meeting*. San Francisco, CA. http://tinyurl.com/u3kgxju (Conference Canceled)

Lee, J., Page, L. C. & Gehlbach, H. (2020, April). Text persistence project. Symposium at *2020 American Educational Research Association (AERA) Annual Meeting*. San Francisco, CA. http://tinyurl.com/uzxvwof (Conference Canceled)

Lee, J., Gaines, R., Schallert, D., & D-Team. (2019, April). Sense of belonging in context: How different online discussion modes and students' engagement are interconnected. Poster session presented at *2019 American Educational Research Association (AERA) Annual Meeting*. Toronto, Canada. (Nominated for the Division C Learning & Instruction Outstanding Graduate Student Poster Award)

Lee, J., Gaines, R., Schallert, D., & D-Team. (2019, February). Feeding students' sense of belonging through engagement with different online discussion contexts. Paper session presented at *Journal of Language and Literacy Education (JoLLE) Winter Conference 2019*. Athens, Georgia.

Zengilowski, A., **Lee, J.**, Park, J. H., Choi, E., Gaines, R., & Schallert, D. (2018, December). The collective classroom "we:" How levels of connectedness relate to cognitive and affective experiences of learning community across online and face-to-face discussion environments. Paper session presented at *Literacy Research Association (LRA) 68th Annual Conference*. Indian Wells, California.

Lee, J. (2017, April). Antecedents and consequences of sense of classroom community for college students' academic engagement. Poster session presented at *2017 American Educational Research Association (AERA) Annual Meeting*. San Antonio, Texas.

Lee, J., Gaines, R., Park, J. H., Williams, K. M., Choi, E., Hwang, S., Mattar, L., & Schallert, D. (2017, April). From exploring ideas to discovering co-constructed meaning: Comparing students in different structures of computer-mediated discussion. Round table session presented at *2017 American Educational Research Association (AERA) Annual Meeting*. San Antonio, Texas.

Lee, J., Park, J. H., Gaines, R., Williams, K. M., Choi, E., Mattar, L., Hwang, S., & Schallert, D. (2016, November). Meeting the author with friends: Collaborating with other meaning makers in online discussion. Paper session presented at the *Literacy Research Association (LRA) 66th Conference*. Nashville, Tenesse.

Lee, J., & Schallert, D. (2016, April). Exploring the learner-setting fit: Perspectives of immigrants/visitors learning English in formal and non-formal classes. Paper session presented at *2016 American Educational Research Association (AERA) Annual Meeting*. Washington D.C.

Lee, J., & Schallert, D. (2015, December). Situated motivation and literacy trajectories of immigrant and visitor adults learning culture and language in informal and formal ESL classroom settings. Paper session presented at the *Literacy Research Association (LRA) 65th Conference*. Carlsbad, California.

Williams, K., Park, J., Gaines, R., Choi, E., **Lee, J.**, Matar, L., & Schallert, D. (2015, December). "I wonder if …": The process of inquiry in support of students' co-learning from online discussion. Paper session presented at the *Literacy Research Association (LRA) 65th Conference*. Carlsbad, California.

Choi, E., Gaines, E., Park, J., Schallert, D., Williams, K., Yu, L.-T., **Lee, J.**, & Mattar, L. (2015, April). Small stories in online dialogue: A resource for building professional knowledge for preservice bilingual teachers. Round table session presented at *2015 American Educational Research Association (AERA) Annual Meeting*. Chicago, Illinois.

Na, B., **Lee, J.**, & D, Schallert. (2015, March). ESL Learners Adapting Their Writerly Voice in Different Online Contexts: Comparing Common-bond and Common-identity Communities. Paper session presented at the *American Association for Applied Linguistics (AAAL) Conference*. Toronto, Canada.

Lee, J. (2014, March). Integrate language and culture teaching to enhance students' intercultural sensitivity. Teaching Tips session presented at the *Teaching English to Speakers of Other Languages (TESOL) Convention*. Portland, Oregon.

Lee, J. (2013, October). Use images to enhance students' intercultural sensitivity. Practice-oriented session presented at *Texas Teachers of English to Speakers of Other Languages (TexTESOL) Region III Fall Symposium*. Austin, Texas.

Sardegna, V., **Lee, J.**, & Na, B. (2013, February). Common errors in students' academic writing: Setting teaching priorities. Symposium presented at the *Fourteenth Annual Texas Foreign Language Education Conference (TexFLEC)*. Austin, Texas.

Kim, D. & **Lee, J.** (2010, December). What are the washback effects and limitations of applying IBT to English speaking and writing tests in the classroom? Presented at the *Korea Institute for Curriculum and Evaluation (KICE) National Conference*. Seoul, Korea.

PROFESSIONAL EXPERIENCE

Director of Research in Education Innovation   Jun. 2022 – present
Assistant Director of Research in Education Innovation   Nov. 2019 – May 2022
Center for 21st Century Universities (C21U), Georgia Institute of Technology
- Lead research activities of C21U and collaborate with faculty and students to conduct research on new and emerging learning technologies in Higher Education
- Supervise a team of research scientist, data analyst, and graduate research assistants
- Serve as the Data Steward for Georgia Tech's MOOCs and Canvas LMS
- Develop instructional LTI tools for Canvas LMS
- Secure external funding to support research and disseminate research findings
- Serve as an instructor of *Vertically Integrated Projects Data-Driven Education*

Research Associate for Chatbot Scaling Project   Aug. 2018 – Oct. 2019
Office of Sr. VP of Enrollment Management & Student Success, Georgia State University
- Performed various quantitative and qualitative analyses using statistical software; assessed and reported impact of chatbot intervention on enrolled undergraduate students
- Used SQL to extract, merge, and organize students' data collected from Banner and from partner company
- Collaborated with various campus units and departments (e.g., Financial Aid, Advisement, Registrar) on student success initiatives, focusing on retention, persistence, and graduation

Assistant Instructor   Jan. 2018 – May 2018
Dept. of Educational Psychology, The University of Texas at Austin

- Taught undergraduate-level course, *EDP 304 Strategic Learning for the 21st Century*
- Overall instructor rating: 5.0/5.0 (with a 33% response rate)

Teaching Assistant
Dept. of Educational Psychology, The University of Texas at Austin   Aug. 2017 – Dec. 2017
- Assisted the instructor (Diane Schallert) for *EDP 382D Psychology of Learning*

Graduate Research Assistant   Aug. 2015 – Jan. 2018
Office of the Vice President for Student Affairs, The University of Texas at Austin
- Participated in the design and implementation of assessment activities, conduct of the Office's research agenda, analysis of data, and reporting of results

Research Assistant   Jan. 2015 – Dec. 2015
Dept. of Educational Psychology, The University of Texas at Austin
- Research advisor: Stephanie Cawthon
- Conducted literature review on assessment accessibility as well as cognitive load and language acquisition among deaf or hard-of-hearing learners and English learners

                                                                                   Jan. 2014 – Dec. 2014
ESL Tutor
The University of Texas at Austin
- Taught conversational English and American culture to UT Apartments residents

Korean Language Instructor
Austin Korean School, Austin, TX
- Taught beginner-level Korean language and culture to adult learners

Mar. 2009 – Aug. 2012

English Teacher
Bul-Kwang Middle School, Seoul Metropolitan Office of Education, South Korea
- Participated in the design and implementation of a government-led intervention to enhance students' English reading comprehension and motivation
- Participated in a government-led research project on computer-based testing practices

WORKS IN PROGRESS

Lee, J., Hung, J. T., Yilmaz Soylu, Popescu, D., Cui, C., Grigoryan, G., Joyner, D. A., & Harmon, S. W. Impact of a Novel GenAI-Powered Assessment Tool on Student Learning and Higher-Order Thinking. Under review at *Technology, Knowledge, and Learning Journal.*

Lee, J., Yilmaz Soylu, M., Nguyen, T., M. Bezdek., Chanda, R., Joshi, J., Patel, R., Harmon, S. W., & Schumacher, E. Relating Neural Mechanisms for Learning to Instructional Events in Online Learning Environments. Under review at *Educational Technology Research and Development Journal.*

Lee, J., Soleimani, F., Soylu, M. Y., & Grigoryan Gayane. Prediction of academic performance among learners in an online graduate program: Impact of first-year experience. Will submit the manuscript to *Studies in Continuing Education Journal*.

Soylu, M. Y., **Lee, J.,** Fedele, F., Soleimani, F., Grant, R., Talyan, A., Harmon, S. W. Picasso and Einstein in the classroom: Examining creativity in a cross-disciplinary STEAM course. Submitted to *Thinking Skills and Creativity Journal* for review.

SERVICE

Served on the Culture Design Committee for Georgia Tech's new division of Lifetime Learning	2023 - 2024
Served as a dissertation committee member at Georgia Institute of Technology (Name & Major of the PhD candidate: India Irish, Human Computer Interaction)	2022 – 2023
Served as a selected member of Georgia Tech's Leading Women at Tech Cohort	2022
Served as a member of the Faculty Development of Annual Evaluation Criteria/Guidelines for GTPE, C21U, and CEISMC	2022
Served as a reviewer for the American Journal of Distance Education	2022
Served as a search committee chair for a Research Scientist I position at C21U	2021

AWARDS AND HONORS

IEEE DEMOcon 2025 Best Paper Award	2025
2025 UPCEA Research & Scholarship Award (C21U Research)	2025
Tools Competition 2023-2024 Winner, Accelerating Learning Track Catalyst Prize (Socratic Mind)	2024
2022 UPCEA South Region Research & Scholarship Award (C21U Research)	2022
Division of Diversity and Community Engagement Travel Grant, UT Austin	2018
Joseph L. and Katherine D. Henderson Foundation Scholarship, UT Austin	2014
Dean's Scholarship for Academic Excellence, Korea University	2006, 2007, 2008

PROFESSIONAL MEMBERSHIP

Member, Board of Directors, Korean Association for Institutional Research (KAIR)	2024 – 2025
Member, University Professional and Continuing Education Association (UPCEA)	2020 – present
Member, American Educational Research Association (AERA)	2015 – present
Division C (Learning and Instruction)	
Special Interest Group (SIG) Motivation in Education	
Member, Literacy Research Association (LRA)	2015-2018

QUALIFICATIONS & CERTIFICATES

IRB Certification through CITI Training	2018
English Testing Expert Qualification, Korean Institute for Curriculum and Evaluation	2011
Cambridge ESOL In-service Certificate in English Language Teaching	2011
Public Secondary School Teacher (Subject: English), Seoul Metropolitan Office of Education	2009
Teaching Credential for Secondary Education (Subject: English), Korean Ministry of Education	2009

Skills

Statistical software: SPSS, R

Assessment tools: TracDat, Qualtrics

Data visualization: Tableau, Excel PowerPivot

Data engineering: Python, SQL

Language: Korean (native), Japanese (Intermediate), Mandarin (basic)