TEXAS STATE VITA

I. Academic/Professional Background

A. Name and Title

Name: Dr. Injeong Jo Title: Professor

B. Educational Background

Degree	*Year*	*University*	*Major*	*Thesis/Dissertation*
PHD	2011	Texas A&M University	Geography	Fostering a spatially literate generation: Explicit instruction in spatial thinking for preservice teachers
MS	2007	Texas A&M University	Geography	Aspects of spatial thinking in geography textbook questions
BS	1999	Seoul National University	Geography Education	

C. University Experience

Position	*University*	*Dates*
Professor, Geography and Environmental Studies	Texas State University. San Marcos, TX	September 2024 - Present
Associate Professor, Geography and Environmental Studies	Texas State University. San Marcos, TX	September 2018 - August 2024
Assistant Professor, Department of Geography	Texas State University	September 2012 - August 2018
Post-doctoral Fellow, Curriculum and Instruction	University of Texas - Arlington	February 2011 - August 2012
Graduate Lecturer, Department of Geography	Texas A&M University – College Station	August 2010 - December 2010
Graduate Teaching Assistant, Department of Geography	Texas A&M University – College Station	August 2005 - May 2010

E. Other Professional Credentials (licensure, certification, etc.)

Online Teaching Certificate - Advanced Online Course Design and Development, Texas State University. (2017 - Present).

Online Teaching Certificate - Foundations of Online Course Design and Development, Texas State University. (2016 - Present).

Secondary Geography and Social Studies Teacher Certificate, Seoul National University. (1999 - Present).

II. TEACHING

A. Teaching Honors and Awards:

Award / Honor Recipient: College Achievement Award in Teaching, College of Liberal Arts, Texas State University.
2022

Award / Honor Recipient: Award for Excellence in Online Teaching, Texas State University.
2020

Award / Honor Recipient: Favorite Professor, Alpha Chi National Honor Society.
2020
2014

Award / Honor Recipient: Teaching Award of Honor, Texas State University Alumni.
2020

B. Courses Taught:

Texas State University:

GEO 1310 - WLD GEOGRAPHY

GEO 4340 - FUND THEMES IN GEO

GEO 4340 - FUNDAMENTAL THEMES IN GEO

GEO 4390 - INDEPENDENT STUDY

GEO 5150 - TEACHING GEOGRAPHY

GEO 5250 - TEACHING GEOGRAPHY

GEO 5301 - MULTIVARIATE QUANTITATIVE MTHS

GEO 5301 - MULTIVRT QUAN MATH

GEO 5335 - DIRECTED RESEARCH

GEO 5340 - ACTIVE LEARNING IN GEOGRAPHY

GEO 5341 - CONTEMP ISSUES GEO

GEO 5342 - THEORY RESEARCH METHODS GEO ED

GEO 5343 - COMPUTER TECH GEO

GEO 5343 - TECHNOLOGY GEOGRAPHIC EDUCAT

GEO 5345 - SPATIAL THINKING IN EDUCATION

GEO 5350 - TEACHING GEOGRAPHY

GEO 5371 - SEMINAR GEOGRAPHIC EDUCATION

GEO 5390 - INDEPENDENT STUDY

GEO 5393F - SPATIAL THINKING IN EDUCATION

GEO 5395 - PROBLEMS IN APPLIED GEOGRAPHY

GEO 5447 - TECHNOLOGY IN GEOGRAPHIC EDU

GEO 7150 - TEACHING GEOGRAPHY

GEO 7199B - DISSERTATION

GEO 7250 - TEACHING GEOGRAPHY

GEO 7299B - DISSERTATION

GEO 7343 - SYNTHESIS GEO ED RESEARCH

GEO 7344 - SEM IN GEO CURR

GEO 7350 - TEACHING GEOGRAPHY

GEO 7371 - ADV SMNR GEO ED

GEO 7390 - INDEPENDENT STUDY

GEO 7399B - DISSERTATION

GEO 7447 - SPATIAL GRAPH GEO

GEO 7699B - DISSERTATION

GEO 7699B - DISSERTN GEO GE ED

GEO 7999B - DISSERTATION

GEO 7999B - DISSERTN GEO GE ED

Texas A&M University – College Station:

GOEG 202 - World Regional Geography

GOEG 203-Lab - Introductory Physical Geography Labs

C. Directed Student Learning (i.e. theses, dissertations, exit committees, etc.):

Supervisor / Chair, Dissertation, Status: In Progress. (2025 - Present). Geography and Environmental Studies, Texas State University.
Student(s): Emily Niederman, Doctoral, Ph.D. in Geographic Education.

Supervisor / Chair, Applied Research Project, Status: In Progress. (2024 - Present). Geography and Environmental Studies, Texas State University.
Student(s): Jeremy Monn, Graduate, Master of Applied Geography.

Supervisor / Chair, Dissertation, Status: In Progress. (2024 - Present). Geography and Environmental Studies, Texas State University.
Student(s): Alexander Busch, Doctoral, Ph.D. in Geographic Education.

Supervisor / Chair, Dissertation, Status: In Progress. (2023 - Present). Geography and Environmental Studies, Texas State University.
Student(s): Brandi LeRoy, Doctoral, Ph.D. in Geographic Education.

Supervisor / Chair, Applied Research Project, "Integrating Geographic Thinking into Middle School History Instruction: A Texas Revolution Case Study", Status: Completed. (2024 - 2026). Geography and Environmental Studies, Texas State University.
Student(s): Roman Valles, Graduate, Master of Applied Geography.

Member, Dissertation, "What is a Map According to Children? A Mental Map Experiment", Status: Completed. (2022 - 2026). Texas State University.
Student(s): Heather Swienton, Doctoral, Ph.D. in Geography.

Supervisor / Chair, Applied Research Project, "Investigatin Undergraduate Geography Students' Generative Artificial Intelligence Usage", Status: Completed. (2024 - 2025). Geography and Environmental Studies, Texas State University.
Student(s): Hope Carter, Graduate, Master of Applied Geography.

Supervisor / Chair, Applied Research Project, "Teachers' Technology Use in the High School World Geography Classroom", Status: Completed. (2024 - 2025). Geography and Environmental Studies, Texas State University.

Student(s): Marisa Stallworth, Graduate, Master of Applied Geography.

Supervisor / Chair, Applied Research Project, "An Examination of Undergraduate Students' Self Perceived Spatial Skills Compared with Spatial Thinking Performance", Status: Completed. (2023 - 2025). Geography and Environmental Studies, Texas State University.
Student(s): Grayson Hinkle, Graduate, Master of Applied Geography.

Member, Dissertation, "Knowledge to Teach: Assessment of the Impact of Learning Opportunities for Geography Teachers in the State of Texas", Status: Completed. (2022 - 2025). Texas State University.
Student(s): Jan Rueschhoff, Doctoral, Ph.D. in Geographic Education.

Member, Dissertation, "An Analysis of Global Perspectives within Advanced Placement Human Geography", Status: Completed. (2022 - 2025). Texas State University.
Student(s): Licha Paulus, Doctoral, Ph.D. in Geographic Education.

Supervisor / Chair, Dissertation, "The Impact of Advanced Placement on Academic Growth: High School Trajectories and the Role of Social and Cultural Capital in AP Human Geography", Status: Completed. (2022 - 2025). Texas State University.
Student(s): Samantha Serrano, Doctoral, Ph.D. in Geographic Education.

Supervisor / Chair, Dissertation, "An Investigation of Enhancing Middle School Teachers' TPACK and Dispositions toward Using Geospatial Technologies in Social Studies Classrooms Through a Professional Development on Virtual Field Trip Technology", Status: Completed. (2021 - 2025). Texas State University.
Student(s): Kelly Nolan, Doctoral, Ph.D. in Geographic Education.

Supervisor / Chair, Dissertation, "Opportunities in Non-Formal Education to Enhance Girls' Motivation toward Learning Geography, Geospatial Technologies, and Related Careers", Status: Completed. (2021 - 2025). Texas State University.
Student(s): Lisa Elikan, Doctoral, Ph.D. in Geographic Education.

Supervisor / Chair, Applied Research Project, "Promoting Historical Thinking Skills and Content Knowledge with Web-Based GIS in Middle School History Classrooms", Status: Completed. (2023 - 2024). Geography and Environmental Studies, Texas State University.
Student(s): Ryan Ogi, Graduate, Master of Applied Geography.

Member, Applied Research Project, "Student Learning Gaps Between AP Human Geography and World Geography", Status: Completed. (2022 - 2023). Texas State University.
Student(s): Anna Wheatley, Graduate, Master of Applied Geography.

Member, Applied Research Project, "Evidence from NAEP 8th Grade Geography Data: Identifying and Filling the Achievement Gap Equitably for Race and Gender", Status: Completed. (2021 - 2023). Texas State University.
Student(s): Allison Smith, Graduate, Master of Applied Geography.

Supervisor / Chair, Dissertation, "Unpacking Geography Teachers' Pedagogical Reasoning and Action While Teaching Sustainable Development in AP Human Geography", Status: Completed. (2019 - 2023). Geography, Texas State University.
Student(s): Sojung Huh, Doctoral, Ph.D. in Geographic Education.

Supervisor / Chair, Applied Research Project, "Understanding the Photovoice Method's Impact on Student Perceptions of Geography", Status: Completed. (2021 - 2022). Texas State University.
Student(s): Kenny Martin, Graduate, Master of Applied Geography.

Supervisor / Chair, Applied Research Project, "Earned Honors Credit in Geography Courses Using Different Assessment", Status: Completed. (2021 - 2022). Texas State University.
Student(s): Mara Leane, Graduate, Master of Applied Geography.

Supervisor / Chair, Applied Research Project, "Geospatial Technology in the Co-taught Human Geography Classroom", Status: Completed. (2021 - 2022). Texas State University.
Student(s): Taylor Loux, Graduate, Master of Applied Geography.

Member, Dissertation, "Cognitively Congruent Color Palette for Emotional Mapping", Status: Completed. (2021 - 2022). Geography and Environmental Studies, Texas State University.
Student(s): Andrei Kushkin, Doctoral, Ph.D. in GISciences.

Supervisor / Chair, Applied Research Project, "The Use of ArcGIS Online in a Contemporary AP Human Geography Classroom and its Impact on Student Spatial Awareness and Perception of Geography", Status: Completed. (2020 - 2022). Texas State University.
Student(s): April Bannert, Graduate, Master of Applied Geography.

Member, Master's Thesis, "Children's cartography: What is a map according to children?", Status: Completed. (2021). Texas State University.
Student(s): Heather Swienton, Graduate, M.S. in Geography.

Supervisor / Chair, Applied Research Project, "Incorporating ArcGIS Online in the Social Studies Classroom: Comparative Case Studies", Status: Completed. (2017 - 2020). Texas State University.
Student(s): Jeremy Lippart, Graduate, Master of Applied Geography.

Member, Dissertation, "The Adoption of Geospatial Technologies for Teaching Geography at Latin American Universities", Status: Completed. (2015 - 2019). Geography, Texas State University.
Student(s): Alejandro Cascante-Campos, Doctoral, Ph.D. in Geographic Education.

Member, Applied Research Project, Status: Completed. (2017 - 2018). Texas State University.
Student(s): Amelia DaVivo, Graduate, Master of Applied Geography.

Member, Applied Research Project, Status: Completed. (2016 - 2018). Texas State University.
Student(s): Sara Holloway, Graduate, Master of Applied Geography.

Supervisor / Chair, Dissertation, "Learning Progressions on Map understanding: A Case Study of Elementary through College Students in Korea", Status: Completed. (2013 - 2017). Geography, Texas State University.
Student(s): Jinhee Lee, Doctoral, Ph.D. in Geographic Education.

Member, Applied Research Project, Status: Completed. (2015). Geography, Texas State University.
Student(s): James Lancaster, Graduate, Master of Applied Geography.

Member, Dissertation, Status: Completed. (2015). Geography, Texas State University.
Student(s): Deborah Hann, Doctoral, Ph.D. in Geographic Education.

D. Courses Prepared and Curriculum Development:

[Online] Problems in Applied Geography: Systematic Reviews, Meta-Analyses, and Narrative Reviews of Geography Education Research (GEO 5395), Curriculum Development, Texas State University: 2024.

[Online] Theory and Research Methods in Geographic Education (GEO 5342), Curriculum Development, Texas State University: 2021.

[Online] Advanced Seminar in Geographic Education: Active Learning in Geography (GEO 7371), Curriculum Development, Texas State University: 2020.

[Online] Fundamental Themes in Geography (GEO 4340), Curriculum Development, Texas State University: 2020.

[Online] Practicum in Teaching Geography (GEO 5350/7350), Curriculum Development, Texas State University: 2020.

[Online] Spatial Graphics in Geographic Education (GEO7447), Curriculum Development, Texas State University: 2020.

[Online] Technologies in Geographic Education (GEO 5343), Curriculum Development, Texas State University: 2020.

[Online] Multivariate Quantitative Methods (GEO 5301), Curriculum Development, Texas State University: 2018.

Advanced Seminar in Geography Education – Research Methods in Geography Education (GEO 7371), First Time Course Preparation, Texas State University: 2015.

Fundamental Themes in Geography (GEO 4340), First Time Course Preparation, Texas State University: 2014.

Computer Technologies in Geography Education (GEO 5343), First Time Course Preparation, Texas State University: 2013.

Spatial Graphics in Geography Education (GEO 7447), First Time Course Preparation, Texas State University: 2013.

[Online] Evidence-based Practices in Geography Education (GEO 7376), New Course, Texas State University: 2026.

[Online] Synthesis of Geography Education Research (GEO 7343), New Course, Texas State University: 2026.

[Online] Seminar in Geographic Education (GEO 5371), New Course, Texas State University: 2025.

[Online] Active Learning in Geography (GEO 5340), New Course, Texas State University: 2020.

[Online] Spatial Thinking in Education (GEO 5393F), New Course, Texas State University: 2019.

[Online] Geography Content and Methods for Teachers (GEO 4340), Revise Existing Course, Texas State University: 2026.

[Online] Technologies in Geographic Education (GEO 5447), Revise Existing Course, Texas State University: 2022.

[Online] Spatial Thinking in Education (GEO 5345), Revise Existing Course, Texas State University: 2019.

F. Other:

Student Accomplishments:

Award:

Supervisor, Salvatore J. Natoli Dissertation Award, National Council for Geographic Education. "The Impact of Advanced Placement on Academic Growth: High School Trajectories and the Role of Social and Cultural Capital in AP Human Geography," National Conference on Geographic Education, Richmond, VA. Status: Completed. (October 2026). Geography and Environmental Studies, Texas State University. Student(s): Samantha Serrano, Doctoral, Ph.D. in Geographic Education.

Supervisor, Salvatore J. Natoli Dissertation Award, National Council for Geographic Education. "Opportunities in Non-formal Education to Enhance Girls' Motivation toward Learning Geography, Geospatial Technologies, and Related Careers," National Conference on Geographic

Education, Omaha, NE. Status: Completed. (October 2025). Geography and Environmental Studies, Texas State University.
Student(s): Lisa Elikan, Doctoral, Ph.D. in Geographic Education.

Supervisor, AAG Geography Education Specialty Group's Gail Hobbs Student Paper Competition. "The Impact of Advanced Placement on Academic Growth: High School Trajectories and the Role of Social and Cultural Capital in AP Human Geography," Annual Meeting of American Association of Geographers, Detroit, MI. Status: Completed. (March 2025).
Student(s): Samantha Serrano, Doctoral, Ph.D. in Geographic Education.

Supervisor, Salvatore J. Natoli Dissertation Award, National Council for Geographic Education. "Unpacking Geography Teachers' Pedagogical Reasoning and Action while Teaching Sustainable Development in AP Human Geography," National Conference on Geographic Education, Tempe, Arizona. Status: Completed. (October 2024). Geography and Environmental Studies, Texas State University.
Student(s): Sojung Huh, Doctoral, Ph.D. in Geographic Education.

Supervisor, Student Leadership Award. Korea-America Association for Geospatial and Environmental Sciences (KAGES). Status: Completed. (2023).
Student(s): Sojung Huh, Doctoral, Ph.D. in Geographic Education.

Supervisor, College of Liberal Arts Outstanding Doctoral Student Award. Status: Completed. (2023).
Student(s): Sojung Huh, Doctoral, Ph.D. in Geographic Education.

Supervisor, Paper Competition 3rd place. Geography and Environmental Studies Student Research Symposium (GESSRS), Texas State University. Status: Completed. (2022).
Student(s): Sojung Huh, Doctoral, Ph.D. in Geographic Education.

Supervisor, Salvatore J. Natoli Dissertation Award, National Council for Geographic Education. "Learning progressions on map understanding : a case study of elementary through college students in Korea," National Conference on Geographic Education, Quebec City, Canada. Status: Completed. (2018). Geography, Texas State University.
Student(s): Jinhee Lee, Ph.D. in Geographic Education.

Supervisor, The John Wiley Graduate Award, Texas State University. Status: Completed. (2016).
Student(s): Jinhee Lee, Doctoral, Ph.D. in Geographic Education.

Fellowship:

Supervisor, Graduate College Dissertation Completion Fellowship. Status: In Progress. (August 2024).

Student(s): Kelly Nolan, Doctoral, Ph.D. in Geographic Education.

Supervisor, Graduate College Dissertation Completion Fellowship. Status: In Progress. (August 2024).
Student(s): Lisa Elikan, Doctoral, Ph.D. in Geographic Education.

Supervisor, Phi Kappa Phi Dissertation Fellowship. Status: Completed. (2023).
Student(s): Sojung Huh, Doctoral, Ph.D. in Geographic Education.

Supervisor, The Graduate College Doctoral Research Fellowship. Status: Completed. (2022). Texas State University.
Student(s): Sojung Huh, Doctoral, Ph.D. in Geographic Educatioin.

Supervisor, AAAW Fellowship. Status: Completed. (2022). Texas State University.
Student(s): Sojung Huh, Doctoral, Ph.D. in Geographic Education.

Grant:

Supervisor, E. Millard and Ruby S. Miller Grant for Research in Geographic Education. "Unpacking Geography Teachers' Pedagogical Reasoning and Action while Teaching Sustainable Development in AP Human Geography." Status: Completed. (2022). Texas State University.
Student(s): Sojung Huh, Doctoral, Ph.D. in Geographic Education.

Supervisor, Korea-America Association for Geospatial and Environmental Sciences Sim Travel Grant. Status: Completed. (2022).
Student(s): Sojung Huh, Doctoral, Ph.D. in Geographic Education.

Supervisor, Korea-America Association for Geospatial and Environmental Sciences Student Affiliated Group Mini-Grant. Status: Completed. (2021).
Student(s): Sojung Huh, Doctoral, Ph.D. in Geographic Education.

Supervisor, Scholarly Travel and Activity Research (S.T.A.R.) Grant. Status: Completed. (2019). Geography, Texas State University.
Student(s): Sojung Huh, Doctoral, Ph.D. in Geographic Education.

Supervisor, Sim Travel Grant, Korean-American Association for Geospatial and Environmental Sciences. Status: Completed. (2016).
Student(s): Jinhee Lee, Doctoral, Ph.D. in Geographic Education.

Scholarship:

Supervisor, Foster Family Geographic Education Dissertation Scholarship. Status: Completed. (2023).
Student(s): Sojung Huh, Doctoral, Ph.D. in Geographic Education.

Supervisor, Zach Howard and Kristin Scholarship. Status: In Progress. (2023).

Student(s): Ryan Ogi, Graduate, Master of Applied Geography.

Supervisor, Frank and Ivy Boehm Geography Scholarship. Status: In Progress. (2023).
Student(s): Kelly Nolan, Doctoral, Ph.D. in Geographic Education.

Supervisor, The Bernard W. Detlefsen Doctoral Excellence Scholarship. Status: In Progress. (2022).
Student(s): Kelly Nolan, Doctoral, Ph.D. in Geographic Education.

Supervisor, The Sandra E. Estaville Dissertation Research Scholarship. Status: Completed. (2022).
Student(s): Sojung Huh, Doctoral, Ph.D. in Geographic Education.

Supervisor, P.E.O. International Peace Scholarship. Status: Completed. (2022). Texas State University.
Student(s): Sojung Huh, Doctoral, Ph.D. in Geographic Education.

Supervisor, P.E.O. International Peace Scholarship. Status: Completed. (2021). Texas State University.
Student(s): Sojung Huh, Doctoral, Ph.D. in Geographic Education.

Supervisor, The Graduate College Scholarship. Status: Completed. (2021). Texas State University.
Student(s): Sojung Huh, Doctoral, Ph.D. in Geographic Educatioin.

Supervisor, The Bernard W. Detlefsen Doctoral Excellence Scholarship. Status: Completed. (April 2021).
Student(s): Sojung Huh, Doctoral, Ph.D. in Geographic Education.

Supervisor, The Blanchard Family Geography Scholarship. Status: Completed. (April 2021).
Student(s): Sojung Huh, Doctoral, Ph.D. in Geographic Education.

Supervisor, The Frank and Ivy Boehm Scholarship. Status: Completed. (2020).
Student(s): Sojung Huh, Doctoral, Ph.D. in Geographic Education.

Supervisor, The Graduate College Scholarship. Status: Completed. (September 2020). Geography, Texas State University.
Student(s): Sojung Huh, Doctoral, Ph.D. in Geographic Education.

G. Teaching Professional Development Activities Attended

Workshop, "Getting Started with DesignPlus," Texas State University. (May 2026).

Workshop, "Proctorio for Online and Hybrid Courses," Texas State University. (May 2026).

Workshop, "Gradescope: Grading Made Easy," Texas State University. (November 2025).

Workshop, "AI for Everyday Teaching: Getting Started with Gemini & NotebookLM," Texas State University. (September 2025).

Workshop, "UDOIT Right! Accessibility Tools in Canvas," Texas State University. (July 2025).

Seminar, "AI and Academic Excellence: Ethical Considerations and Best Practices," SAGE. (March 4, 2025).

Seminar, "Teaching introductory GIS with ArcGIS Online: A Faculty Panel," Esri. (June 2024).

Workshop, "AIdeas for Faculty: Implementing Artificial Intelligence Activities in the Classroom," Texas State University. (2023).

Workshop, "How to Talk to Your Students About All Things AI (Artificial Intelligence)," Texas State University. (2023).

Workshop, "Making Friends with AI," SmartBrief. (2023).

Workshop, "Making PowerPoint Documents Accessible to Individuals with Disabilities," Texas State University. (2023).

Workshop, "Making Word Documents Accessible to Individuals with Disabilities," Texas State University. (2023).

Workshop, "Alkek One: Introduction to Video Editing," Texas State University. (2021).

Workshop, "First Friday TechBits," Texas State University. (2021).

Workshop, "Using Turnitin through Canvas," Texas State University. (2021).

Workshop, "Canvas Basics," Texas State University. (2020).

Workshop, "Flexing Classroom Technology for Hybrid Instruction," Texas State University. (2020).

Workshop, "One-Time Design: Measure Twice, Cut Once," Texas State University. (2020).

Workshop, "Advanced Zoom Features in DLP Classrooms," Texas State University. (2019).

Workshop, "Microsoft Teams," Texas State University. (2019).

Workshop, "Blackboard Learning Management Solution Provider Demonstration," Texas State University. (2018).

Workshop, "Canvas Learning Management Solution Provider Demonstration," Texas State University. (2018).

Continuing Education Program, "Advanced Online Course Design and Development," Texas State University, San Marcos, TX, United States. (2017).

Institute, "Teachers Teaching Teachers GIS (T3G) Institute," Esri. (2017).

Panel Discussion, "How to Teach an Online Course and Still Have a Life," Texas State University. (2017).

Workshop, "Adobe Connect Training for Faculty and TAs," Texas State University. (2017).

Continuing Education Program, "Foundations of Online Course Design and Development," Texas State University, San Marcos, TX, United States. (2016).

Workshop, "Hybrid Course Teaching Experiences," Texas State University. (2016).

Showcase, "Faculty Showcase - Using Lessons in an Online Course," Texas State University. (2015).

Workshop, "TRACS Departmental Workshop," Texas State University. (2015).

Institute, "Teachers Teaching Teachers GIS (T3G) Institute," Esri, Redlands, CA, United States. (2013).

Workshop, "Faculty Development Workshop on Preparing Students for Socially Responsible Global Citizenship," Texas State University. (2013).

III. SCHOLARLY/CREATIVE

A. Works in Print (including works accepted, forthcoming, in press):

1. Books:

d. Chapters in Books:

Refereed:

Jo, I. (2026). Teachers as visionaries: Aspirations for integrating GIS in the classroom. In *International Perspectives on Geography Education*. Edward Elgar Publishing Ltd.

Jo, I. (2025). Geospatial technologies teacher education. In S. Bednarz & J. Mitchell (Eds.), *Handbook of Geography Education*. Springer.

Jo, I., & Huh, S. (2022). Pedagogical Reasoning and Action (PR&A): A Framework for Research on Professional Knowledge of Geography Teaching. In *In E. Artvinli, I. Gryl, J. Lee, & J. Mitchell (Eds.), Geography Teacher Education and Professionalization* (pp. 291–304). Springer.

Bednarz, S., Shin, E., & Jo, I. (2022). Spatial thinking in primary geography. In G. Kidman & D. Schmeinck (Eds.), *Teaching Primary Geography* (pp. 133–144). Springer.

Lee, J., & Jo, I. (2022). Assessing spatial skills/thinking in geography. In T. Bourke & R. Lane (Eds.), *Assessment in Geographical Education: An International Perspective* (pp. 77–97). Springer.

Lee, J., & Jo, I. (2022). Assessment of mapping learning progressions in geography. In T. Bourke & R. Lane (Eds.), *Assessment in Geographical Education: An International Perspective* (pp. 55–76). Springer.

Jo, I. (2019). Spatial citizenship in the secondary geography curriculum. In E. Shin & S. W. Bednarz (Eds.), *Spatial Citizenship Education: Citizenship through Geography* (pp. 145–169). Routledge.

Jo, I., & Muñiz-Solari, O. (2015). An agenda of GST in geography education for the future. In O. Muñiz-Solari, A. Demirci, & J. van der Schee (Eds.), *Geospatial Technologies and Geography Education in a Changing World* (pp. 205–221). Japan: Springer.

Jo, I., Klein, A., Bednarz, R., & Bednarz, S. W. (2012). An exploration of spatial thinking in introductory GIS courses. In K. Foote, D. Dibiase, D. Unwin, & N. Tate (Eds.), *Teaching Geographic Information Science and Technology in Higher Education* (pp. 211–229). Oxford, UK: Wiley-Blackwell.

2. Articles:

a. Refereed Journal Articles:

Serrano, S., & Jo, I. (2026). Who gets to be “ready”? Rethinking equity metrics: A case study of early AP Human Geography enrollees and academic growth. *Journal of Geography*. Published. https://doi.org/10.1080/00221341.2026.2671158

Huh, S., & Jo, I. (2025). Teachers’ evolving knowledge base for teaching sustainable development in the geography classroom. *The Journal of Social Studies Research*, *49*(3), 167–186. https://doi.org/https://doi.org/10.1177/23522798241278270

Huh, S., & Jo, I. (2024). Geography teachers' pedagogical reasoning and action while integrating sustainable development into APHG courses. *Journal of Geography*, *122*(5), 126–139. https://doi.org/https://doi.org/10.1080/00221341.2023.2224814

Jo, I., & Hong, J. E. (2023). GIS learning and college students' acquisition and understanding of spatial concepts. *Journal of Geography in Higher Education*, *48*(5), 763–774.

Huh, S., & Jo, I. (2023). Successes and struggles: Evaluating geospatial technologies integration in geography lesson using TPACK. *Journal of Geography*, *122*(5), 126–139. https://doi.org/https://doi.org/10.1080/00221341.2023.2224814

Jo, I., Crane, M., & Huh, S. (2022). GeoActivity types in APHG: Analysis of Maps and photos. *The Geography Teacher*, *19*(2), 56–59.

Hong, J. E., Loux, T., Huh, S., & Jo, I. (2022). GeoActivity types in APHG: Discussion. *The Geography Teacher*, *19*(2), 60–64.

Jo, I., Bannert, A., Huh, S., & Hong, J. E. (2022). GeoActivity types in APHG: End-of-year culminating project. *The Geography Teacher*, *19*(2), 75–79.

Hong, J. E., Haakenson, D., Martin, K., Huh, S., & Jo, I. (2022). GeoActivity types in APHG: exam preparation. *The Geography Teacher*, *19*(2), 71–74.

Huh, S., Crane, M., Loux, T., Hong, J. E., & Jo, I. (2022). GeoActivity Types in APHG: Field Study. *The Geography Teacher*, *19*(2), 65–70.

Li, Y., Krause, S., McLendon, A., & Jo, I. (2022). Teaching a geography field methods course amid the COVID-19 pandemic: reflections and lessons learned. *Journal of Geography in Higher Education*. Published. https://doi.org/10.1080/03098265.2022.2041571

Huh, S., Lee, J., & Jo, I. (2021). The influence of collaboration on students' learning approaches in geography task. *Research in Geographic Education*, *23*(1), 32–51.

Şanli, C., & Jo, I. (2020). Examining preservice geography teachers' dispositions to teach spatial thinking skills. *International Journal of Eurasian Education and Culture*, *5*(11), 2069–2101.

Jo, I., Huh, S., Bannert, A., & Grubb, K. (2020). Beginning the journey to create an active online learning environment: Recommendation from graduate students. *Journal of Geography*, *119*(6), 197–205.

Jo, I., & Hong, J. E. (2020). Effect of learning GIS on spatial concept understanding. *Journal of Geography*, *119*(3), 87–97.

Xuan, X., Jin, Q., Jo, I., Duan, Y., & Kim, M. (2019). The potential contribution of geography curriculum to scientific literacy. *Journal of Geography*, *118*(5), 185–196.

Hong, J. E., Harris, J., & Jo, I. (2018). The knowledge base for teaching geography. *Research in Geographic Education*, *20*(1), 26–47.

Ghaffari, Z., Jo, I., & Currit, N. A. (2018). NASA Astronaut Photography of Earth: A Resource to Facilitate Students` Learning Using Geospatial Concepts. *International Journal of Geospatial and Environmental Research*, *5*(3), Article 6.

Jo, I. (2018). Cloud-based GIS to support geographic inquiry. *Social Education*, *82*(2), 108–112.

Jo, I. (2018). World energy issues: An inquiry-based geography lesson. *The Geography Teacher*, *15*(1), 43–46.

Hong, J. E., & Jo, I. (2017). Undergraduate Students' Use of Online Information in World Geography: Source Types and Selection Criteria. *Review of International Geographical Education Online*, *7*(2), 171–189.

Lee, J., Jo, I., Xuan, X., & Zhou, W. (2017). Geography preservice teachers' disposition toward teaching spatial thinking through geography: A comparison between China and Korea. *International Research in Geographical and Environmental Education*, *27*(2), 135–148.

Zadrozny, J., McClure, C., Lee, J., & Jo, I. (2016). Designs, Techniques, and Reporting Strategies in Geography Education: A Review of Research Methods. *Review of International Geographical Education Online*, *6*, 216–233.

Jo, I. (2016). Future teacher's dispositions toward teaching with geospatial technologies. *Contemporary Issues in Technology and Teacher Education*, *16*(3).

Lee, J., & Jo, I. (2016). Korean preservice geography teachers' attitude towards implementing geospatial technologies (GSTs) into classrooms. *Journal of the Association of Korean Geographers*, *5*(2), 85–97.

Jo, I., Hong, J. E., & Verma, K. (2016). Facilitating spatial thinking in world geography using Web-based GIS. *Journal of Geography in Higher Education*, *40*(3), 442–459.

Jo, I., & Bednarz, S. W. (2014). Developing pre-service teachers' pedagogical content knowledge for teaching spatial thinking through geography. *Journal of Geography in Higher Education*, *38*(2), 301–313. https://doi.org/10.1080/03098265.2014.911828

Jo, I., & Bednarz, S. (2014). Dispositions toward teaching spatial thinking through geography: Conceptualization and a model assessment. *Journal of Geography*, *113*(5), 198–206.

Jo, I., & Milson, A. (2013). College readiness for geography: perceptions of high school teachers and college faculty. *Journal of Geography*, *112*(5), 193–204.

Kerr, S., Jo, I., Collins, L., Monroe-Ossi, H., Ray, W., Whitcraft, A., … Stoltman, J. P. (2013). Teacher education and geography: Research perspectives. *Research in Geographic Education*, *15*(2), 44–58.

Jo, I., & Bednarz, S. W. (2011). Textbook questions to support spatial thinking: Differences in spatiality by question location. *Journal of Geography*, *110*(2), 70–80.

Jo, I., & Bednarz, S. W. (2009). Evaluating geography textbook questions from a spatial perspective: Using concepts of space, tools of representation, and cognitive processes to evaluate spatiality. *Journal of Geography*, *108*(1), 4–13.

b. Non-refereed Articles:

Jo, I., Acheson, G., Alderman, D. H., Fitzpatrick, C., Foote, K., Keller, K., & Mitchell, J. (2026). Remembering Sarah Witham Bednarz (1951–2026). *Journal of Geography*, *125*(5), 181–186.

Hong, J. E., Jo, I., Huh, S., Bannert, A., Crane, M., Haakenson, D., … Martin, K. (2022). GeoActivity types in APHG: Introduction. *The Geography Teacher*, *19*(2), 54–55.

Jo, I., & Hong, J. E. (2018). Geography education, spatial thinking, and geospatial technologies: Introduction to the special issue. *International Journal of Geospatial and Environmental Research*, *5*(3).

Jo, I., Bednarz, S. W., & Metoyer, S. (2010). Selecting and designing questions to facilitate spatial thinking. *The Geography Teacher*, *7*(2), 49–55.

3. Conference Proceedings:

b. Non-refereed:

Jo, I. (2018). Spatial thinking in secondary geography: A summary of research findings and recommendations for future research (Vol. 99, pp. 200–212).

Jo, I. (2015). Learning progressions research: Implications for geography curriculum development (pp. 133–137).

Lee, J., & Jo, I. (2014). Introduction to the Road Map for 21st Geography Education: Implications for geography education research in Korea (pp. 76–78).

Jo, I. (2007). Aspects of spatial thinking in geography textbooks. In S. Catling & L. Taylor (Eds.) (pp. 107–112).

10. Other Works in Print:

Encyclopedia Entries:

Jo, I. (2023). Pedagogical Content Knowledge in Geography Education. In *Oxford Bibliographies Online*. Oxford University Press. https://doi.org/DOI: 10.1093/OBO/9780199874002-0272

Newsletters:

Jo, I. (2023). Ethical issues concerning authorship. Korea-America Association for Geographical and Environmental Sciences.

Jo, I. (2019). Texas State Univ. Department of Geography's online M.A.Geo. program in Geography Education. Korea-America Association for Geographical and Environmental Sciences.

B. Works Not in Print:

1. Papers Presented at Professional Meetings:

Jo, I., Huh, S., Crane, M., National Conference on Geographic Education, "GeoActivity Types." (October 15, 2022).

Huh, S., Jo, I., Annual Meeting of American Association of Geographers, "Assessing Quality of TPACK-based GST Integration of K-12 Teachers," American Association of Geographers. (February 25, 2022).

Jo, I., Annual Meeting of American Association of Geographers, "Geospatial Technologies into K-12 Classrooms: Opportunities and Challenges for Educators." (February 25, 2022).

Jo, I., Huh, S., Annual Meeting of American Association of Geographers, "Teaching teachers teaching with geospatial technologies: Opportunities and challenges learned from a semester-long online course," American Association of Geographers. (February 25, 2022).

Li, Y., Krause, S., McLendon, A., Jo, I., Southwest Division of the American Association of Geographers (SWAAG) annual meeting, "Teaching field-based courses amid the COVID-19 pandemic: a national survey and a case study of a Texas State Geography course," online. (October 14, 2021).

Jo, I., Annual Meeting of American Association of Geographers, "Pedagogical reasoning and action: A framework for research on teaching and teacher education," American Association of Geographers. (April 7, 2021).

Jo, I., College and University Faculty Assembly (CUFA), "Spatial citizenship in secondary geography curriculum," Austin, TX, United States. (November 21, 2019).

Huh, S., Jo, I., "Impacts of technology-mediated project-based module on secondary school students' deep learning," Southwest Division of the American Association of Geographers, Fort Worth, TX, United States. (October 11, 2019).

Yoon, O., Jo, I., EUROGEO, "National assessment of educational achievement (NAEA) of South Korea," Paris, France. (March 14, 2019).

Jo, I., EUROGEO, "The knowledge base for geography teaching (GeoKBT)," Paris, France. (March 14, 2019).

Hong, J. E., Jo, I., National Conference on Geographic Education, "Effect of learning GIS on students' progression in geospatial concepts understanding," Quebec City, Canada. (August 6, 2018).

Hong, J. E., Jo, I., International Geographic Union - Commission on Geographical Education, "The knowledge base for geography teaching," Quebec City, Canada. (August 3, 2018).

Jo, I., Annual Meeting of American Association of Geographers, "A case of online professional development," Boston, MA, United States. (April 5, 2017).

Jo, I., Albrecht, D., Edmondson, D., Grubbs, M., Holub, C., Mann, M., Stroup, M., Annual Meeting of Texas Council for Social Studies, "Inquiry-based World Geography with GIS," Corpus Christi, TX. (October 15, 2016).

Jo, I., The 33rd International Geographical Congress, "A minimal Web-based GIS to Enhance Future Teachers' Disposition towards Teaching with Geospatial Technologies," Beijing, China. (August 24, 2016).

Jo, I., Lee, J., Xuan, X., Zhou, W., The 33rd International Geographical Congress, "Dispositions toward teaching spatial thinking through geography: A case of Chinese and Korean preservice teachers," Beijing, China. (August 24, 2016).

Jo, I., National Conference on Geographic Education, "Preservice Teachers' Dispositions towards Teaching with Geospatial Technologies," Tampa, FL. (July 31, 2016).

Lee, J., Jo, I., Xuan, X., Zhou, W., Annual Meeting of American Association of Geographers, "Geography preservice teachers' disposition toward teaching spatial thinking through geography: A comparison between China and Korea," San Francisco, CA. (April 2, 2016).

Ghaffari, Z., Jo, I., Currit, N., Annual Meeting of American Association of Geographers, "NASA Astronaut Photography of Earth: A Resource to Facilitate Students` Learning and Using Geospatial Concepts," San Francisco, CA. (April 2, 2016).

Jo, I., Hong, J. E., Annual Meeting of American Association of Geographers, "Undergraduate Students' Online Resource Selection Behavior in World Geography," San Francisco, CA. (April 2, 2016).

Jo, I., Annual Meeting of National Conference on Geography Education, "Facilitating Spatial Thinking in World Geography Using Web-based GIS," Washington, DC. (August 9, 2015).

Lee, J., Jo, I., Annual Meeting of National Conference on Geography Education, "Korean Pre-service Geography Teachers' Dispositions toward Teaching Spatial Thinking through Geography," Washington, DC. (August 9, 2015).

Jo, I., Korean Association of Geographic and Environmental Education Conference, "Learning Progressions Research: Implications for Geography Curriculum Development," Cheongju, South Korea. (June 13, 2015).

Jo, I., Annual Meeting of Texas Council for Social Studies, "Strategies and Tools to Incorporate Geospatial Thinking into Your Classroom," Galveston, TX. (November 2, 2014).

Lee, J., Jo, I., Korean Association of Geographic and Environmental Education Conference, "Introduction to the Road Map for 21st Geography Education: Implications for geography education research in Korea," Jeonju, South Korea. (June 14, 2014).

Jo, I., Annual Meeting of Association of American Geographers, "Dispositions toward teaching spatial thinking through geography: How can they be defined and assessed?," Tampa, FL. (April 12, 2014).

Jo, I., Annual Meeting of National Conference on Geography Education, "Spatial thinking, geospatial technologies, and geography education: A course for future educators," Denver, OH. (August 4, 2013).

Jo, I., Annual Meeting of Association of American Geographers, "Spatial concepts test: An instrument to diagnose college students' understanding of spatial concepts," Los Angeles, CA. (April 13, 2013).

Jo, I., Milson, A., Annual Meeting of National Conference on Geography Education, "College readiness for geography: Perceptions of high school teachers and college faculty," San Marcos, TX. (October 7, 2012).

Jo, I., Annual Meeting of National Conference on Geography Education, "Developing preservice teachers' dispositions toward teaching spatial thinking," San Marcos, TX. (October 7, 2012).

Jo, I., Bednarz, S., Annual Meeting of National Council for Social Studies, "A taxonomy for spatial thinking: A tool to align questions and activities to spatial thinking," Denver, CO. (November 14, 2010).

Bednarz, R., Jo, I., Bednarz, S., Klein, A., Annual Meeting of Association of American Geographers, "GIS textbooks and spatial thinking," Washington, DC. (April 18, 2010).

Jo, I., Annual Meeting of the National Council for Social Studies, "Differences in the spatiality of textbook questions by its location," Atlanta, GA. (November 14, 2009).

Jo, I., GeoSummit: An International Symposium on Teaching and Learning in Geography, "Differences in spatiality of textbook questions by its location," Texas State University, San Marcos, TX. (May 30, 2009).

Metoyer, S., Jo, I., Annual Meeting of Association of American Geographers, "Instruction in spatial thought: Effects of explicit strategies on spatial thinking skills," Las Vegas, NV. (March 27, 2009).

Jo, I., Annual Meeting of the Southwest Education Research Association, "Missing Data Strategies," San Antonio, TX. (February 7, 2009).

Jo, I., Association of American Geographers Annual Meeting, "Taxonomy of spatial thinking: A framework to evaluate, improve, and design school geography to implement spatial thinking," Boston, MA. (April 19, 2008).

Jo, I., Southwestern Education Research Association Annual Meeting, "Pearson’s r, Spearman’s rho, and Phi: What is different and what is the same?," New Orleans, LA. (February 9, 2008).

Jo, I., International Geographical Union - Commission for Geography Education, "Aspects of spatial thinking in geography textbook questions," London, United Kingdom. (April 12, 2007).

2. Invited Talks, Lectures, and Presentations:

Jo, I., Chu, G., Tredinnick, K., NCGE Webinar Program, "Publishing with NCGE: Getting your work out there," National Council for Geographic Education. (May 21, 2026).

Jo, I. (Panelist), Chang, H. (Panelist), Chun, Y. (Panelist), Kim, H. (Panelist), KAGES Professional Development Series, "Publishing in Geography," Korea-America Association for Geospatial and Environmental Sciences. (December 9, 2024).

Jo, I., 2024 AAG Department Leadership Workshop, "Exposing students to geographic tools and thinking," American Association of Geographers. (June 18, 2024).

Jo, I., Bannert, A., National Council for Geographic Education Webinar Series, "Developing a spatial lesson: Strategies and tools for teachers," National Council for Geographic Education. (August 31, 2022).

Jo, I., Summer Institute: The Importance of Active Learning and Interaction for Student Resilience, "Five strategies to help student become an active online learner," Texas State University. (June 9, 2021).

Jo, I., Excellence in Online Teaching Award Ceremony, "Active learning in geography," Texas State University. (March 11, 2021).

Jo, I., School Cartography and Spatial Thinking – Different Languages in the Contemporary World, "Spatial thinking in secondary geography: A summary of research findings and recommendations for future research," University of São Paulo, Ewha Womans University, Brazil. (July 11, 2018).

Jo, I., "Fostering a spatially literate generation: Explicit instruction in spatial thinking for pre-service teachers," Department of Social Education, Ewha Womans University, South Korea. (May 29, 2014).

Jo, I., "Building spatial vocabulary in a culturally & linguistically diverse classroom," Institute for Increasing Cultural and Linguistic Inclusion within EC-16 Social Studies, Texas State University – San Marcos. (June 8, 2013).

Jo, I., Graduate seminar Spatial Thinking in Education, "Enhancing students' spatial thinking through geography," College of Education, Texas Tech University, Lubbock, TX. (November 13, 2012).

Jo, I., The workshop Preparing Preservice Teachers for 21st Century Teaching, "Preparing teachers to teach spatial thinking: An approach to foster a spatially literate generation," College and Career Readiness Initiative for English/Language Arts Faculty Collaborative, Austin, TX. (September 16, 2011).

3. Consultancies:

Content Advisor: True Book series on Extreme Places, Children's Press (an imprint of Scholastic), Danbury, CT. (2015).

4. Workshops:

Jo, I., Chu, G., National Conference on Geographic Education, "Publishing your ideas in the NCGE Journals," National Council for Geographic Education, Richmond, VA. (October 17, 2026).

Jo, I., Chu, G., National Conference on Geographic Education, "Publishing your ideas in the NCGE Journals," National Council for Geographic Education, Columbus, SC. (October 19, 2024).

Jo, I., Theobald, R., National Conference on Geographic Education, "Publishing your ideas in the NCGE Journals," National Council for Geographic Education, Columbus, SC. (October 28, 2023).

Jo, I., Theobald, R., National Conference on Geographic Education, "Publishing your ideas in the NCGE Journals," National Council for Geographic Education, Minneapolis, MN. (October 15, 2022).

Jo, I., Texas Alliance for Geographic Education Summer Institute, "Building Geospatial Lessons." (June 17, 2019).

Jo, I., Edmondson, D., Grubbs, M., Albrecht, D., "Inquiry-based World Geography with Web GIS: An Online Professional Development," Albuquerque, NM, United States. (July 27, 2017).

Jo, I., Bednarz, S., Annual Meeting of National Council for Social Studies, "Want to make your lessons geographic? Enhancing spatial thinking," Seattle, WA. (November 18, 2012).

Jo, I., Bednarz, S., Metoyer, S., National Conference on Geography Education, "Designing questions to facilitate spatial thinking," San Juan, PR. (September 27, 2009).

Jo, I., Bednarz, S. W., National Conference on Geography Education, "Bringing spatial thinking into your classroom," Dearborn, MI. (October 12, 2008).

5. Other Works not in Print:

a. Works "submitted" or "under review":

Book Chapters:

Huh, S., & Jo, I. (Submitted / Under Review). Capturing In-Class Dynamics: Classroom-Based Multiple Case Study Design in Geography Education Research. Springer. (June 2026)

Journal Articles:

Serrano, S., & Jo, I. (Submitted / Under Review). The AP Access Paradox: Teachers' Perceptions of Open Enrollment and Gained Cultural Capital in AP Human Geography. (October 2026)

Elikan, L., & Jo, I. (Submitted / Under Review). Opportunities in non-formal education to enhance girls' motivation toward learning geography, geospatial technologies, and related careers. *Journal of Geography*. (January 2026)

b. Works "in progress":

Journal Articles:

Li, Y., Jo, I., & Yuan, Y. (In Preparation; Not Yet Submitted). From comparison to reflection: A case study of integrating GenAI into geography coursework for critical thinking and responsible use. *TBD*.

c. Other Works Not in Print:

Panel session organizer/chairs:

Jo, I., Annual Meeting of American Association of Geographers, "Young Korean Geographers Forum I & II," Korea-America Association for Geographical and Environmental Sciences. (2021).

Jo, I., National Conference on Geographic Education, "Online Education in Geography," National Council for Geographic Education. (2019).

Jo, I., Annual Meeting of American Association of Geographers, "Young Korean Geographers Forum I & II," Korea-America Association for Geographical and Environmental Sciences. (2019).

Jo, I., Annual Meeting of American Association of Geographers, "Spatial Thinking, Map Understanding, and Geospatial Technologies in Geography Education: International Case Studies," American Association of Geographers. (2017).

Panelists:

Jo, I., Annual Meeting of American Association of Geographers, "Trends in International Geography Assessment Study (TIGAS) research: Opportunities from the TIMSS educational context indicators," Washington, DC, United States. (April 3, 2019).

Paper session organizer/chairs:

Jo, I., National Conference on Geographic Education, "Teaching (Geo)Spatial Thinking in the Classroom," National Council for Geographic Education. (2019).

Jo, I., National Council for Social Studies, "Teaching Key Concepts in Geography I&II," National Council for Social Studies. (2019).

Jo, I., Annual Meeting of American Association of Geographers, "Professional Development in Geography Education: Geospatial Technologies, Spatial Thinking, and Geographic Inquiry," American Association of Geographers. (2017).

Jo, I., Annual Meeting of American Association of Geographers, "Research in Geography Education I: Perceptions, Representations, and Learning Geography," American Association of Geographers. (2016).

Jo, I., Annual Meeting of American Association of Geographers, "Research in Geography Education II: Spatial Thinking, Geospatial Technologies, and Teaching Geography," American Association of Geographers. (2016).

Jo, I., Annual Meeting of American Association of Geographers, "Research in Geography Education," American Association of Geographers. (2014).

Posters:

Li, Y., Krause, S., McLendon, A., Jo, I., American Association of Geographers (AAG) annual meeting, "Teaching a geography field methods course amid the COVID-19 pandemic: reflections and lessons learned," online. (February 25, 2022).

Hong, J. E., Jo, I., National Conference on Geographic Education, "A model of the knowledge base for geography teaching," Austin, TX, United States. (November 23, 2019).

Baker, T., Duke, B., Jo, I., National Council for Social Studies, "Spatial and geospatial technology keywords in US state curricular standards," Austin, TX, United States. (November 22, 2019).

Bednarz, R., Jo, I., Metoyer, S., Spatial Learning in Geography Workshop, "Spatial thinking research at Texas A&M University," National Geographic Society, Washington, DC. (November 8, 2008).

C. Scholarly / Creative Grants and Contracts:

1. Funded External Grants and Contracts:

Jo, Injeong (Principal). Knowledge base for geography teaching: Building evidence-based model and assessment tools, National Council for Geographic Education, Private / Foundation / Corporate, $4,000.00. (Funded: January 2024 - December 2025). Grant.

Jo, Injeong (Principal). Learning trajectories of geography educators to incorporate spatial thinking into classrooms, National Council for Geographic Education, Private / Foundation / Corporate, $4,000.00. (Funded: January 1, 2019 - December 31, 2020). Grant.

Jo, Injeong (Co-Principal). Geospatial keywords in the US curricula standards, ESRI, Private / Foundation / Corporate, $5,000.00. (Funded: June 2019). Contract.

Hong, Jung Eun (Principal), Jo, Injeong (Co-Principal). The Nature of Pedagogical Content Knowledge (PCK) for Geography Teaching, National Center for Research in Geographic Education, Institutional (Higher Ed), $15,000.00. (Funded: July 1, 2017 - June 30, 2018). Grant.

Jo, Injeong (Principal), Hong, Jung Eun (Co-Principal). Effect of Learning GIS on Students' Progression in Geospatial Concepts Understanding, National Council for Geographic Education, Private / Foundation / Corporate, $19,777.00. (Funded: January 2016 - December 2017). Grant.

Jo, Injeong (Principal). Texas Funds for Geography Education, Texas Higher Education Coordinating Board (THECB), "Enhancing Teachers' TPACK on GIS for World Geography Classrooms", State, $27,234.00. (Funded: January 2016 - December 2017). Grant.

Jo, Injeong (Principal). E. Willard and Ruby S. Miller Research Grant, National Council for Geographic Education: "Enhancing preservice geography teachers' knowledge, skills, and dispositions of teaching spatial thinking", Private / Foundation / Corporate, $4,000.00. (Funded: 2009). Grant.

2. Submitted, but not Funded, External Grants and Contracts:

Myint, Soe Win (Principal), Boehm, Richard G (Co-Principal), Budolfson,, Mark (Co-Principal), Castellanos, Sergio (Co-Principal), Chen, Gang (Co-Principal), Cho, Eunsang (Co-Principal), Cummings, Anthony (Co-Principal), Dussler, Marcus R. (Co-Principal), Jo, Injeong (Co-Principal), Julian, Jason Paul (Co-Principal), Kahlor, Lee Ann (Co-Principal), Niyogi, Dev (Co-Principal), Ochoa, Esteban L. (Co-Principal), Walker, Jenna (Co-Principal), Wang, Chenghao (Co-Principal), Zhai, Wei (Co-Principal), Zadrozny, Joann D. (Co-Principal). Advancing Sustainable Regional Systems for the Greater Austin-San Antonio Corridor, National Science Foundation (NSF), Federal, $9,156,383.00. (Submitted: May 2024). Grant.

Myint, Soe Win (Principal), Jo, Injeong (Co-Principal), Lopez, Christina (Co-Principal). Advancing social-environmental justice and building community resilience to fight urban heat and air pollution for disadvantaged populations, National Endowment for the Humanities (NEH), Federal, $149,611.00. (Submitted: 2023). Grant.

Jo, Injeong (Principal), Harris, Judi (Co-Principal), Hong, Jung Eun (Co-Principal), Redding, Tracie (Co-Principal), Grandgenett, Neal (Co-Principal). Geographic Reasoning & Action Delineated, Implemented and Estimated in Teaching STEM, National Science Foundation (NSF), Federal, $1,498,052.00. (Submitted: 2021). Grant.

Jo, Injeong (Principal), Harris, Judi (Co-Principal), Hong, Jung Eun (Co-Principal), Grandgenett, Neal (Co-Principal). Geographic Reasoning & Action Delineated, Implemented and Estimated in Teaching STEM, National Science Foundation (NSF), Federal, $1,499,845.00. (Submitted: 2020). Grant.

Solem, Michael (Principal), Stoltman, Joseph (Co-Principal), Jo, Injeong (Co-Principal). Design and Development of an International Geography Assessment Study (IGAS), US Department of Education, Institute of Education Sciences, Federal, $1,395,974.00. (Submitted: 2019). Grant.

Jo, Injeong (Principal). GENIP Status of K-12 Geography Education Research Project, "Geography in Texas Social Studies Teacher Preparation and Certification.", Geography Education National Implementation Project, Private / Foundation / Corporate, $11,700.00. (Submitted: 2015). Grant.

Currit, Nate (Principal), Jensen, Jennifer (Co-Principal), Jo, Injeong (Co-Principal). NASA MUREP Institutional Research Opportunity (MIRO), "The Science Program in Earth Observation (SciPEO)", National Aeronautics and Space Administration (NASA), Federal, $4,998,157.00. (Submitted: 2015). Grant.

Jo, Injeong (Principal). Building a professional learning community for early career geography teachers, Texas Funds for Geography Education, Texas Higher Education Coordinating Board (THECB), State, $36,471.00. (Submitted: 2013). Grant.

3. Funded Internal Grants and Contracts:

Jo, Injeong (Principal). Geography, Geospatial Technologies, and Teacher Education: Interdisciplinary Study, Faculty Development Leave Supplement Award, Texas State University, $20,000.00. (Submitted: 2019, Funded: 2020). Grant.

4. Submitted, but not Funded, Internal Grants and Contracts:

Li, Yanan (Principal), Jo, Injeong. Integration of Generative AI into Geography Coursework for Critical Thinking and Responsible Use: A Case Study of a Graduate Seminar on Global Climate Change, Research Enhancement Program, Texas State University, $24,000.00. (Submitted: October 8, 2025). Grant.

Jo, Injeong (Principal). Developing an Evidence-based Model to Identify, Delineate, and Advance Knowledge Base for Geography Teaching, Research Enhancement Program (REP), Texas State University, Texas State University, $8,000.00. (Submitted: 2023). Grant.

Solem, Michael (Principal), Boehm, Richard G (Co-Principal), Jo, Injeong (Co-Principal), Muniz Solari, Osvaldo A (Co-Principal). Run to R1 postdoctoral pesearch catalyst program, Texas State University, $70,000.00. (Submitted: 2023). Grant.

Jo, Injeong (Principal). Geography Knowledge Base for Teaching (GeoKBT), Research Enhancement Program (REP), Texas State University, Texas State University, $8,000.00. (Submitted: October 2019). Grant.

Jo, Injeong (Principal), Jo B, Oestreich (Co-Principal). Knowledge Base for Geography Teaching, Research Enhancement Program (REP), Texas State University, Texas State University, $16,000.00. (Submitted: October 2018). Grant.

Jo, Injeong (Principal). The Effect of Learning Geospatial Technologies on College Students' Spatial Concept Understanding, Research Enhancement Program (REP), Texas State University, Texas State University, $8,000.00. (Submitted: 2014). Grant.

Jo, Injeong (Principal). Educational effectiveness of online professional learning communities to enhance preservice teachers' knowledge to teach geography, Research Enhancement Program (REP), Texas State University, Texas State University, $8,000.00. (Submitted: 2013). Grant.

D. Scholarly / Creative Fellowships, Awards, Honors:

Award / Honor Recipient: Salvatore J. Natoli Dissertation Award, National Council for Geographic Education.
2013

Award / Honor Recipient: Excellence in Academics and Geographical Research Award, Department of Geography, Texas A&M University - College Station.
2010

Award / Honor Recipient: Excellence in Academics and Geographical Research Award, Department of Geography, Texas A&M University – College Station.
2008

Award / Honor Recipient: Gail Hobbs Student Paper & Presentation Award, Geography Education Specialty Group, The Association of American Geographers.
2008

E. Scholarly / Creative Professional Development Activities Attended:

Workshop, "GeoAI Workshop: Application of LLM in geospatial analytics," KAGES. (May 2026).

Workshop, "AI in GIS Education: Realm of Possibilities," Esri. (April 24, 2025).

Seminar, "Leveraging AI in ArcGIS: A Higher Education Webinar," Esri. (June 2024).

Workshop, "How to Set Up Google Earth Engine for the First-time Users," Korea-America Association for Geospatial and Environmental Science. (2023).

Workshop, "Analyzing NAEP and TIMSS Data Using R," American Education Research Association. (2022).

Workshop, "Three Approaches to Qualitative Data Analysis," American Education Research Association. (2022).

Workshop, "Analyzing Large-Scale Assessment Data Using R," American Education Research Association. (2021).

Workshop, "Introduction to Qualitative Meta-Synthesis Methods: Achieving STEM Equity and Inclusion through Syntheses," American Education Research Association. (2021).

Workshop, "Promotion to Full Professor: Advice for Associate Professors," Texas State University. (2021).

Workshop, "Using R Software for Item Response Theory (IRT) Model Calibrations," American Education Research Association. (2021).

Workshop, "Effective Strategies for Finding Funding," Texas State University. (2019).

Institute, "Video-based Analysis into Practice," BSCS, Colorado Springs, CO, United States. (2017).

Workshop, "Flip your REP: Turning an Internal TXST Seed Grant into External Funding," Texas State University. (2017).

Workshop, "Building Faculty Credentials and Documentation for Promotion," Texas State University. (2015).

Workshop, "Developing Learning Progressions for Maps, Geospatial Technology, and Spatial Thinking Workshop," National Geographic Society, Washington, DC, United States. (2014).

Institute, "Institute for Increasing Cultural and Linguistic Inclusion within EC-16 Social Studies," Texas Higher Education Coordinating Board, San Marcos, TX, United States. (2013).

Workshop, "Integrating Teaching and Research Using Student Derived Data," Texas State University. (2013).

Workshop, "Overview of the Research Enhancement Program," Texas State University. (2012).

Workshop, "Summer Statistics Workshop – Item Response Theory," Texas A&M University - College Station. (2009).

IV. SERVICE

A. Institutional

1. University:

Panelist, Faculty Meeting Regarding the Online Master of Public Administration Program. (2023).

Faculty Respondent, International Research Conference for Graduate Students. (2022).

Member, Award for Excellence in Online Teaching Selection Committee. (2021).

2. College:

Member, Teacher Education Council. (2019 - Present).

3. Department/School:

Co-Director, The Gilbert M. Grosvenor Center for Geographic Education. (September 2026 - Present).

Graduate Advisor. (September 2025 - Present).

Coordinator, Online MAGeo in Geographic Education Program. (2020 - Present).

Member, Graduate Committee. (September 2024 - May 2025).

Coordinator, Geography Programs Student Learning Outcomes. (September 2021 - May 2025).

Chair, GIScience Faculty Search Committee. (2021 - 2022).

Member, Scholarship and Awards Committee. (2020 - 2021).

Chair, Distance Education Committee. (2019 - 2020).

Member, Colloquium Committee. (2019 - 2020).

Member, Full Professor in Geography Education Search Committee. (2019).

Chair, Colloquium Committee. (2018 - 2019).

Member, Distance Education Committee. (2018 - 2019).

Member, Lecturer in Geography Education Search Committee. (2018).

Member, Diversity Committee. (2017 - 2018).

Member, Graduate Committee. (2017 - 2018).

Member, Evaluation Committee. (2016 - 2017).

Member, Graduate Committee. (2016 - 2017).

Member, Graduate Committee. (2015 - 2016).

Member, Scholarship and Awards Committee. (2015 - 2016).

Member, Evaluation Committee. (2014 - 2015).

Member, Political Geography Search Committee. (2014 - 2015).

Member, GIScience Faculty Search Committee. (2013 - 2014).

Member, Graduate Committee. (2013 - 2014).

Member, Academic Program Review (APR) Committee. (2012 - 2013).

Member, Graduate Committee. (2012 - 2013).

Member, Scholarship and Awards Committee. (2012 - 2013).

B. Professional:

Guest co-Editor for the Special Issue "Beyond the Tool: Redefining Geographical Learning and Literacy in the Generative AI Era", Journal of Geography. (2026 - Present).

Editorial Review Board Member, Journal of the Korean Geographical Society. (2025 - Present).

Editor, Journal of Geography. (2023 - Present).

Guest co-Editor for the Special Issue "The Use of Technology for Geography Teaching and Learning", Educational Sciences. (2022 - Present).

Reviewer / Referee, Computers & Education. (2022 - Present).

Reviewer / Referee, Instructional Science. (2022 - Present).

Reviewer / Referee, Progress in Physical Geography. (2020 - Present).

Reviewer / Referee, Annals of American Association of Geographers. (2019 - Present).

Reviewer / Referee, The Professional Geographers. (2019 - Present).

Board Member, Korea-America Association for Geospatial and Environmental Sciences. (2017 - Present).

Editorial Review Board Member, International Research in Geographical and Environmental Education. (2017 - Present).

Assistant Editor, International Journal of Geospatial and Environmental Research. (2016 - Present).

Editorial Review Board Member, Journal of the Korean Association of Geographic and Environmental Education. (2016 - Present).

Reviewer / Referee, International Journal of STEM Education. (2016 - Present).

Editorial Review Board Member, Journal of the Association of Korean Geographers. (2015 - Present).

Reviewer / Referee, Educational Sciences: Theory & Practice. (2015 - Present).

Reviewer / Referee, Journal of Geography in Higher Education. (2015 - Present).

Reviewer / Referee, The Geography Teacher. (2015 - Present).

Reviewer / Referee, Review of International Geographical Education Online. (2013 - Present).

Reviewer / Referee, National Council for Social Studies. (2012 - Present).

Reviewer / Referee, Journal of Geography. (2010 - Present).

Member, International Congress on Geographical Education - Scientific Committee. (2023 - 2024).

Reviewer / Referee, South African National Research Foundation. (2023 - 2024).

Guest co-Editor for the Special Issue "GeoActivity Types in AP Human Geography", The Geography Teacher. (2022).

President, Korea-America Association for Geospatial and Environmental Sciences. (2021 - 2022).

Associate Editor, Journal of Geography. (2019 - 2022).

Reviewer / Referee, Tertiary Education Research Fund, The Ministry of Education (MOE), Singapore. (2021).

Vice President, Korea-America Association for Geospatial and Environmental Sciences. (2020 - 2021).

Board Member, National Council for Geographic Education. (2018 - 2020).

Reviewer / Referee, Research in Geographic Education. (2013 - 2020).

Guest co-Editor for the Special Issue "Geography education, spatial thinking, and geospatial technologies", International Journal of Geospatial and Environmental Research. (2018).

Chair, Natoli Dissertation Award Committee (National Council for Geographic Education). (2015).

Member, E. Willard and Ruby S. Miller Grant Award Committee (National Council for Geographic Education). (2015).

Reviewer / Referee, Africa Education Review. (2015).

Reviewer / Referee, Pedagogies: An International Journal. (2015).

Member, Salvatore J. Natoli Dissertation Award Committee (National Council for Geographic Education). (2014).

Member, The GENIP (Geography Education National Implementation Project) Geography Awareness Week Committee. (2014).

Reviewer / Referee, The Faculty Early Career Development (CAREER) Program, National Science Foundation (NSF). (2014).

Reviewer / Referee, Open Research Area (ORA) for the Social Sciences, National Science Foundation (NSF). (2013).

Member, Applied Research Materials (ARMs) ad-hoc Committee, National Council for Geographic Education. (2012 - 2013).

Reviewer / Referee, Southwest Educational Research Association. (2007 - 2008).

C. Community:

Board Member, Austin Student Debate Association. (August 2026 - Present).

Chair, Texas ArcGIS Online Middle School & High School Competition. (2022 - 2024).

Judge, Clayton Elementary Science Fair, Austin, TX. (2019).

Judge, Clayton Elementary Science Fair, Austin, TX. (2018).

Judge, Texas ArcGIS Online Middle School & High School Competition. (2018).

Judge, Clayton Elementary Science Fair, Austin, TX. (2017).

Board Member, Austin Korean School, Austin, TX. (2014 - 2016).

Judge, Texas Alliance for Geographic Education: Annual Geography Awareness Week Poster Contest. (2013).

D. Organization Memberships:

Korean-American Scientists and Engineers Association (KSEA). (2015 - Present).

Korean Association of Geographic and Environmental Education (KAGEE). (2013 - Present).

Texas Alliance for Geographic Education (TAGE). (2013 - Present).

Association of Korean Geographers (AKG). (2012 - Present).

National Council for Social Studies (NCSS). (2010 - Present).

Korea-America Association for Geospatial and Environmental Sciences (KAGES). (2008 - Present).

The Commission on Geographical Education of the International Geographical Union (IGU-CGE). (2008 - Present).

American Association of Geographers (AAG). (2006 - Present).

National Council for Geographic Education (NCGE). (2006 - Present).

E. Service Honors and Awards:

Award / Honor Recipient: Outstanding Community Service Award, Korea-America Association for Geospatial and Environmental Sciences.
2025

Award / Honor Recipient: The Outstanding Service Award, Department of Geography and Environmental Studies.
April 2022

G. Service Professional Development Activities Attended:

Workshop, "Curricular Analytics," Texas State University. (October 2026).

Workshop, "Communicating Progress: Developing Outcomes and Methods to Assess Student Improvement (Educational Programs & General Education)," Texas State University. (September 2024).

Workshop, "Communicating Progress: Developing & Documenting Evidence of Student Improvement (Educational Programs & General Education)," Texas State University. (April 2024).

Workshop, "Ensuring ethical behavior and safeguards in the workplace," Korea-America Association for Geospatial and Environment Sciences. (2022).

Workshop, "Developing Outcomes and Methods to Assess Student Improvement - Educational Programs and General Education," Texas State University. (2021).