

MIKYUNG SHIN

Assistant Professor, Dept of Special Education, Illinois State University

EDUCATION

- 2013.08
|
2009.08 ● PhD, Special Education, Learning Disabilities and Behavior Disorders
The University of Texas at Austin, Austin, TX
· Dissertation: Effects of a web-based strategic, interactive computer application (Fun Fraction) on the performance of middle school students with learning disabilities in solving word problems with fractions and multiplication. <https://mshin77.net/Shin.2013.pdf>
- 2009.05
|
2007.08 ● MA, Special Education, Learning Disabilities and Behavior Disorders
The University of Texas at Austin, Austin, TX
· Thesis: The interactive behaviors and perceptions of Korean English language learners in collaborative strategic reading. <https://mshin77.net/Shin.2009.pdf>
- 2006.02
|
2000.03 ● BA, Special Education & English Language and Literature
Ewha Womans University, Seoul, Republic of Korea
· Thesis: Changes in Macbeth's personality and how external factors affect him. <https://mshin77.net/Shin.2006.pdf>

CERTIFICATION

- Current
|
2013 ● Texas Education Agency, Texas, USA
Special Education Grades (EC-12)
Generalist Grades (EC-6)
Mathematics Grades (4-8)
Mathematics Grades (EC-12)
- Current
|
2006 ● Ministry of Education and Human Resource Development, Seoul, Republic of Korea
Special Education Teacher (Elementary Education)
English Teacher (Secondary Education)
- 2026 ● University of Pennsylvania Graduate School of Education
Certificate Program, Remote, USA
Data Science Methods for Digital Learning Platforms
- 2020
|
2016 ● Korea Learning Disabilities Association, Seoul, Republic of Korea
First-Level Learning Disabilities (Dyslexia) Specialist

CONTACT

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Normal, IL 61761

Campus Box 5910
Normal, IL 61790

-  <https://www.mshin77.net>
-  twitter.com/mshin_77
-  [mikyung-shin-47951b67](https://www.linkedin.com/in/mikyung-shin-47951b67)
-  github.com/mshin77
-  mshin2@ilstu.edu
-  (309) 438-8702

STATISTICAL AND COMPUTING SKILLS

Statistical Analysis: Visual analysis, meta-analysis, multilevel model, generalized linear model, Bayesian model

Machine Learning: large language models, Natural language processing, network analysis, deep learning

Statistical Software+: SAS, Mplus, Stata, SPSS

Programming Language+: R, R Shiny, Python, Markdown, HTML, CSS, JavaScript

Computing Platform+: Posit, Quarto, Visual Studio Code, Jupyter Notebook

Web Deployment & Management: Amazon Web Services, DigitalOcean, Docker, GitHub, Netlify, Cascade, WordPress

Made with [pagedown](#) and [datadrivencv](#) R packages.



PROFESSIONAL EXPERIENCE

Current
|
2024.08

● Assistant Professor (Department of Special Education)

Illinois State University, Normal, IL

- Math Methods for Learners with Disabilities (SED 368-001), fall 2024, spring 2025, fall 2025, spring 2026
- Math Methods for Learners with Disabilities (SED 368-002), spring 2025, spring 2026
- Math Methods for Learners with Disabilities (SED 368-004), fall 2025
- Math Methods for Learners with Disabilities (SED 368-092), fall 2024
- Math Methods for Learners with Disabilities (SED 368-094), fall 2024
- Technology Applications in Today's Classroom (SED 366-001), spring 2026
- Technology Applications in Today's Classroom (SED 366-004), spring 2026
- Assistive Technology Foundations (SED 207-004), fall 2025
- Assistive Technology Foundations (SED 207-005), fall 2025
- Assistive Technology Foundations (SED 207-006), fall 2025

2024.06
|
2019.08

● Assistant Professor (Department of Education)

West Texas A&M University, Canyon, TX

B.S. Education, EC-12 Special Education Certification & Mathematics/Science (Grades 4-8)

M.Ed. Educational Diagnostician & Leadership of Curriculum and Instruction (Special Education)

- STEM Teaching and Learning (EDEL 4381-01/70), fall 2023, spring & summer 2024
- Special Education Methods (EDSP 4369-70), spring 2022–2024
- Individual Assessment Techniques (EDSP 4355-70), fall 2021, 2022
- Foundations of Special Education (EDSP 4351-70), spring 2021, 2022
- PACE Special Education (EDUC-5002-X70), spring, summer, & fall 2021–2024
- Teaching Individuals with High Incidence Disabilities (EDSP 4354-70), fall 2020–2023
- Children with Special Needs (EPSY 3350-70/71), spring, summer, & fall 2020, 2021
- Educational Programming for Adolescents with Disabilities (EDSP 4357-01), spring 2020, 2021
- Exceptionality in Children (EDSP 4351-70), spring 2020
- Learning and Behavior Disorders (EDSP 4354-01), fall 2019
- Teaching Individuals with Intellectual Disabilities (EDSP 4352-70), fall 2019
- Assessment, Intervention, and Differentiation (EDRD/EDSP/EDEC/EDPD-6341-70), fall 2021–2023
- Instructional Programming for Students: Low Incidence Disabilities (EDSP 6352-70), fall 2021
- Consultation and Collaboration, Exceptional Children (EDSP 6356-70), spring 2021–2024
- Instructional Programming for Students: High Incidence Disabilities (EDSP 6354-70), fall 2020, summer 2021–2023
- Instructional Programming for Students with Intellectual Disabilities (EDSP 6352-70), summer 2020
- Advanced Remediation Techniques (EDSP 6356-70), spring 2020
- Assistive Technology (EDSP 6360-70), fall 2019
- Theories of Learning Disabilities and Emotional/Behavioral Disorders (EDSP 6354-70), fall 2019

- 2019.08
|
2016.08

● Assistant Professor (Department of Secondary Special Education & Graduate School of Childhood and Special Education)
Jeonju University, Jeonju, Republic of Korea
B.A. Secondary Special Education Certification & M.Ed. and Ed.D in Special Education

 - Teaching and Learning for Children with Learning Disabilities (12869-01), fall
 - Special Education Administration (14379-01), fall
 - Practicum of Behavior Modification of Children with Disabilities (13093-01), fall
 - Supports for Families of People with Disabilities (14606-01), fall
 - Health Data Management (15564-01), fall
 - Teaching and Learning for Children with Intellectual Disabilities (12870-01), spring
 - Policy for Special Education (14483-01), spring
 - Education and Communication (15402-03), spring
 - Smart Life (13692-03), fall & spring
 - Understanding for People with Disabilities (14873-01), fall & spring
 - Seminar in Special Education (BN1101-01)

- 2016.08
|
2016.03

● Lecturer (Department of Junior Secondary School Special Education)
Kangnam University, Yongin, Republic of Korea

 - Education for Students with Learning Disability (DC04203-00)

- 2016.08
|
2016.03

● Lecturer (Graduate School of Education)
Seoul National University of Education, Seoul, Republic of Korea

 - Instructional-Academic Strategies for Children with Special Needs (003709-1)

- 2016.09
|
2016.01

● Lecturer (Graduate School of Education)
Gyeongin National University of Education, Incheon, Republic of Korea

 - Education for Students with Learning Disability and Learning Difficulty (103-127)

- 2016.01

● Lecturer (Graduate School of Education)
Korea National University of Education, Cheongju, Republic of Korea

 - Special Education Technology (30118507)

- 2016.08
|
2016.03

● Invited Professor (Department of Special Education & Graduate School of Education)
Ewha Womans University, Seoul, Republic of Korea

 - Education for Students with Learning Disabilities (21850-01)
 - Introduction to Special Education (ED111-01)

- 2016.02
|
2015.09

● Lecturer (Graduate School of Education)
Korea University, Seoul, Republic of Korea

 - Teaching Students with Learning Disabilities (EGS521-00)

- 2016.02
|
2015.08

● Lecturer (Graduate School of Education & Seoul Citizens College)
University of Seoul, Seoul, Republic of Korea

 - Educational Method (GSE11009-01)
 - Teaching and Counseling Exceptional Children

- 2015.12
|
2015.09

● Lecturer (Graduate School of Education)
Ewha Womans University, Seoul, Republic of Korea

 - Introduction to Special Education (ED111-01)
- 2015.12
|
2015.08

● Lecturer (Graduate School of Education)
Konkuk University, Seoul, Republic of Korea

 - Counseling Exceptional Children (FSAD33027-01)
- 2015.06
|
2013.08

● Special Education Teacher (Mathematics)
Stony Point High School, Round Rock ISD, Round Rock, Texas

 - Teaching Applied Math Models, Algebra II, and Advanced Quantitative Reasoning
 - Working as a special education case manager
 - Sponsoring Asian Culture Club
- 2013.08
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2010.09

● Graduate Research Assistant
The University of Texas at Austin, Austin, Texas
Meadows Center For Preventing Educational Risk: Mathematics Institute

 - Algebra-Readiness Mathematics Intervention for Middle-School Students: Project AIM
 - Algebra I Supplemental Instruction for Students with Learning Disabilities at the High School Level: Observations and Intervention
 - Coordinating the writing of a technical report for projects
 - Analyzing quantitative and qualitative data
 - Assisting in creating research-based mathematics lessons
- 2009.12
|
2008.09

● Student Assistant
University of Texas Child Development Center, Austin, Texas

 - Assisting teachers in classes for toddlers
 - Assisting students as a Korean and English bilingual teacher
- 2007.07
|
2007.04

● Special Education Teacher
Dasol Day Care Center, Seoul, Republic of Korea

 - Teaching toddlers in an inclusion classroom
 - Creating modified lessons and Individualized Education Program
- 2007.04
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2007.03

● Special Education Teacher
Changshin Elementary School, Seoul, Republic of Korea

 - Teaching elementary school students with disabilities at a resource room



HONOR & AWARD

- 2026

● 2026 Class of Impact Award
Illinois State University, Normal, IL
- 2025

● Journal of Special Education Technology 2024 Research Article of the Year (Role: Co-Author)
Innovations in Special Education Technology

- 2023 ● Chancellor's Academy of Teacher Educators Award
The Texas A&M University System, TX
- 2022 ● Bill Piehl Professorship of Education and Social Sciences
West Texas A&M University, Canyon, TX
- 2022 ● Terry B. Rogers College of Education and Social Sciences Faculty Award
West Texas A&M University, Canyon, TX
- 2021 ● John and Liz Mozola Teaching Excellence Award
West Texas A&M University, Canyon, TX
- 2019 ● Outstanding Research Faculty Award
Jeonju University, Jeonju, Republic of Korea
- 2018 ● Outstanding Research Faculty Award
Jeonju University, Jeonju, Republic of Korea
- 2010 ● Joe R. & Teresa Lozano Long Graduate Fellowship
The University of Texas at Austin, Austin, TX
- 2009 ● I.F. Riggs Memorial Endowed Presidential Scholarship
The University of Texas at Austin, Austin, TX
- 2007 ● Texas Alumni Scholarship
The University of Texas at Austin, Austin, TX
- 2002 ● Ewha Scholarship
Ewha Womans University, Seoul, Republic of Korea



RESEARCH GRANT: PENDING SUPPORT

- 2029
|
2026 ● Principal Investigator
National Science Foundation: Impacts of technology-enhanced mathematics interventions for students with or at risk for learning disabilities: A multilevel meta-analysis, \$750,000
- 2028
|
2026 ● Principal Investigator
National Institutes of Health: Impact of linguistic and visual features on math performance: LLM and Bayesian multilevel modeling of middle school assessments, \$148,000
- 2027
|
2026 ● Principal Investigator
Gates Foundation: Unveiling the sources of heterogeneity in clickstream sequences of middle school students in their response to personalized math instruction, \$50,000



RESEARCH GRANT: EXTERNALLY FUNDED

- 2027
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2026

● Principal Investigator
Google Cloud Research Credits Program: Academic research grant (in-kind), \$5,000 in cloud computing credits
- 2024
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2021

● Co-Principal Investigator
Office of Naval Research, U.S. Department of Defense: PERFECT—Providing environment and resources for STEM 9th-12th graders in effective cybersecurity training, \$598,841
- 2024
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2023

● Co-Principal Investigator
Korea Learning Disabilities Association: Development directions for future special education and education for students with learning disabilities, \$1,150
- 2018

● Co-Principal Investigator
National Institute of Special Education/Ministry of Education: Teaching and learning materials for students with disabilities in grades 3 and 4 in inclusive setting, \$265,903
- 2018
|
2016

● Principal Investigator
National Research Foundation of Korea/Ministry of Education: Effects of explicit mathematics instruction with the use of virtual manipulatives on learning fraction concepts and skills of students with disabilities, \$37,466
- 2017

● Consultant
National Institute of Special Education/Ministry of Education: Teaching and learning materials for students with disabilities in grades 1 and 2 in inclusive setting, \$265,903
- 2017
|
2015

● Co-Principal Investigator
National Research Foundation of Korea/Ministry of Education: Reading intervention for the students with disabilities based on hybrid application with Korean AAC symbols, \$129,829
- 2016

● Co-Principal Investigator
Lifelong Education Center for Individuals with Disabilities in Gunsan: Analysis of the status of lifelong education for individuals with disabilities in Jeollabuk-do and its policy direction, \$8,922



RESEARCH GRANT: INTERNALLY FUNDED

- 2026
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2025

● Principal Investigator
First-Year Faculty Research Fellowship, Illinois State University, College of Education: Policy guidelines for artificial intelligence in special education through text mining and surveys, \$1,000
- 2026
|
2024

● Principal Investigator
Research Fellowship & External Grant Development, Illinois State University, College of Education: Linguistics complexities impacting elementary school students' difficulty in state-level mathematics assessments: Large language models and Bayesian multilevel models, \$2,800

- 2024 ● Co-Principal Investigator
Richard and Mary West Traylor Research Grant, Center for Learning Disabilities: Lived experience of parents of children with specific learning disabilities, \$2,500
- 2020 |
2019 ● Principal Investigator
Killgore Faculty Research Grant, West Texas A&M University: Using virtual manipulatives to teach fractions to students with learning disabilities, \$2,991
- 2019 ● Principal Investigator
Jeonju University Research Grant: An analysis on the associations of school-aged learners' working memory and mathematical abilities, \$2,009
- 2018 ● Principal Investigator
Jeonju University Research Grant: Intensive mathematics instruction with the use of visual representations and virtual manipulatives for students with mild disabilities in the inclusive classroom, \$9,105
- 2018 ● Principal Investigator
Jeonju University Research Grant: A study on graphic data extraction for the meta-analysis of single-case designs, \$518
- 2018 |
2016 ● Principal Investigator
Jeonju University Research Grant: Special education trends and issues: Technology-based mathematics instruction, \$7,756
- 2017 ● Principal Investigator
Jeonju University Research Grant: A meta-analysis of the effects of mathematics interventions on the word problem-solving performance of students with learning disabilities, \$3,308
- 2017 ● Principal Investigator
Jeonju University Research Grant: High school students' awareness on learning disabilities and universal design for learning, \$4,562



PUBLICATION: PEER-REVIEWED ARTICLE

- 2026 ● Shin, M., & McKenna, J.
Exploring the research landscape on single-case design methodology using technology through text mining and large language models. *Journal of Behavioral Education*. [Data set and code](#)
- 2026 ● Park, J., Grempe, M. & Shin, M.
Effects of interactive and hands-on learning experience of assistive technology on college students' perspectives and knowledge. *Education and Information Technologies* [DOI](#) | [Code](#)
- 2026 ● Lee, O., & Shin, M.
Analysis of digital literacy in special education curriculum (mathematics, science, and ICT) using text mining. *Korean Journal of Physical, Multiple & Health Disabilities*, 69(1), 155-172. [DOI](#) | [Code](#)

- 2026 ● Shin, M., Deniz, F., Watson, L., Dieterich, C., Ewoldt, K., Johnson, F., Kong, J., Lee, S. H., & Whitehurst, A.
Addressing the void of AI policies in education for students with specific learning disabilities. *Learning Disability Quarterly*. Advance online publication. [DOI](#) | [Data set and code](#)
- 2025 ● Hatala, E. A., Simmons, M., & Shin, M.
Using the Woodcock-Johnson IV in emergent bilingual evaluation of cognition and oral language: Perceptions and perspectives from the field. *The DiaLog*, 54(1), 10-17. [Website](#)
- 2025 ● Yoo, Y., Kim, W., & Shin, M.
Measuring reading comprehension processes of students with and without reading difficulties through eye movement. *Learning Disability Quarterly*. [DOI](#)
- 2025 ● Park, J., Paxtle-Granjeno, J., Ok, M. W., Shin, M., & Wilson, E.
Preventing digital distraction in secondary classrooms: A quasi-experimental study. *Computers & Education*, 227, Article 105223. [DOI](#) | [Code](#)
- 2025 ● Shin, M., Park, H., & Kang, E. Y.
Development of education policies and practices for students with learning disabilities in South Korea using Delphi surveys and topic modeling. *Learning Disability Quarterly*, 48(1), 13-25. [DOI](#) | [Data set and code](#)
- 2024 ● Shin, M., & Park, J.
Technology-assisted instruction with teacher prompts on fraction multiplication word problems: A single-case design with visual analysis and Bayesian multilevel modeling. *Assistive Technology*. [DOI](#) | [Data set and code](#)
- 2024 ● Garcia, B., Shin, M., Clifton, A., Bingham, T., Coneway, B., & Hughes, C.
Journey for crafting excellence: West Texas A&M University teacher educator standards development and implementation of standards for rural educators. *Texas Forum of Teacher Education*, 15, 20-36. [PDF](#) | [Code](#)
- 2024 ● Simmons, M., Shin, M., & Hart, S.
Dyslexia identification: Texas legislative trends in prevalence rate of students by school district locale. *Texas Education Review*, 12(2), 6-24. [DOI](#) | [Code](#)
- 2024 ● Shin, M., Hart, S., & Simmons, M.
Meta-analysis of single-case design research: Application of multilevel modeling. *School Psychology*, 39(6), 625-635. [DOI](#) | [Data set and code](#)
- 2024 ● Park, J., Bryant, D. P., & Shin, M.
Effects of a synchronous online fraction intervention using virtual manipulatives for students with learning disabilities. *Journal of Special Education Technology*, 39(2), 234-246. [DOI](#)
- 2023 ● Kang, E., Park, H., & Shin, M.
Analysis of perceptions for the development of future education policies for students with learning disabilities in accordance with recent changes in the education field. *The Korea Journal of Learning Disabilities*, 20(3), 111-138. [Read more](#) | [Data set and code](#)

2023 ● Kim, W., Yoo, Y., & Shin, M.
Comparative analysis of inferencing in low-reading and average-reading comprehenders: Utilizing the think-aloud protocol. *Communication Sciences & Disorders*, 28(3):480-491. [Read more](#)

2023 ● Shin, M., Ok, M. W., Choo, S., Hossain, G., Bryant, D. P., & Kang, E.
A content analysis of research on technology use for teaching mathematics to students with disabilities: Word networks and topic modeling. *International Journal of STEM Education*, 10 (Article 23). [Data set and code](#)

2023 ● Kim, S. A., Bryant, P. D., Bryant, B., Shin, M., & Ok, M. W.
A multilevel meta-analysis of whole number computation interventions for students with learning disabilities. *Remedial and Special Education*, 44(4), 332-347. [Data set and code](#)

2023 ● Shin, M., Simmons, M., Meador, A., Goode, F. J., Deal, A., & Jackson, T.
Mathematics instruction for students with learning disabilities: Applied examples using virtual manipulatives. *Intervention in School and Clinic*, 58(3) 198-204.

2023 ● Lee, O., & Shin, M.
Universal Design for Learning in adapted national-level digital mathematics textbooks for elementary school students with disabilities. *Exceptionality*, 31(1), 36-51.

2022 ● Kang, J., & Shin, M.
Special education in South Korea: Policies and issues. *Journal of Special Education Preparation*, 2(2), 70-78.

2022 ● Denton, K., Coneway, B., Simmons, M., Behl, M., & Shin, M.
Parents' voices matter: A mixed-method study on the dyslexia diagnosis process. *Psychology in the Schools*, 59(11), 2267-2286. [Code](#)

2022 ● Shin, M., & Choi, N.
The invisible population of students with learning disabilities in South Korea. *Intervention in School and Clinic*, 57(3), 194-197.

2022 ● Park, J., Bryant, D. P., & Shin, M.
Effects of interventions using virtual manipulatives for students with learning disabilities: A synthesis of single-case research. *Journal of Learning Disabilities*, 55(4), 325-337.

2021 ● Shin, M., Bryant, D. P., Powell, S. R., Jung, P.-G., Ok, M. W., & Hou, F.
A meta-analysis of single-case research on word-problem instruction for students with learning disabilities. *Remedial and Special Education*, 42(6), 398-411. [Data set and code](#)

2021 ● Shin, M., Park, J., Grimes, R., & Bryant, D. P.
Effects of using virtual manipulatives for students with disabilities: Three-level multilevel modeling for single-case data. *Exceptional Children*, 87(4), 418-437. [Data set and code](#)

2021 ● Shin, M., Kang, E., & Lee, O.
High school students' perceptions of mathematics teachers' implementation of UDL-based practices and technology in mathematics classes. *International Journal of Contents*, 17(2), 9-19. [Read more](#)

- 2021 ● Peltier, C., Morano, S., Shin, M., Stevenson, N. A., & McKenna, J. W.
A decade review of single-case graph construction in the field of learning disabilities. *Learning Disabilities Research & Practice*, 36(2), 121–135.
- 2021 ● Garwood, J. D, McKenna, J., Roberts, G., Ciullo, S., Shin, M.
Social studies content knowledge interventions for students with emotional and behavioral disorders: A meta-analysis. *Behavior Modification*, 45(1), 147–176.
- 2021 ● Simmons, M., Shin, M., & Sharp, L.
Special education eligibility identification rates in Texas: A comparative analysis of rural and urban school districts. *Texas Education Review*, 9(1), 6–21.
- 2020 ● Park, E.-Y., & Shin, M.
A meta-analysis of special education teachers' burnout. *Sage Open*, 10(2), 1–18.
- 2020 ● Lee, J., Bryant, D. P., Ok, M. W., & Shin, M.
A systematic review of interventions for algebraic concepts and skills of secondary students with learning disabilities. *Learning Disabilities Research & Practice*, 35(2), 89–99.
- 2020 ● Shin, M., & Lee, O.
An analysis of high school Korean language instruction regarding Universal Design for Learning: Social big data analysis and survey analysis. *Journal of the Korea Academia-Industrial Cooperation Society*, 21(1), 1–12. [Read more](#)
- 2020 ● Lee, O., & Shin, M.
Adapting national-level textbooks for students with disabilities in South Korea. *Intervention in School and Clinic*, 55(4), 257–263.
- 2019 ● Shin, M., & Kim, W.
A meta-analysis of the associations of mathematical word problem solving and working memory. *Korean Journal of Special Education*, 54(1), 61–89. [Read more](#)
- 2019 ● Shin, M., Ok, M. W., Kang, E. Y., & Bryant, D. P.
Korean elementary school teachers' implementation of mathematics instruction for students struggling to learn mathematics in inclusive settings. *Journal of Research in Special Educational Needs*, 19(2), 145–157.
- 2019 ● Kang, E., & Shin, M.
The contributions of reading fluency and decoding to reading comprehension for struggling readers in the fourth grade. *Reading & Writing Quarterly*, 35(3), 179–192.
- 2019 ● Lee, O., & Shin, M.
A national online survey of South Korean high school students' understanding of learning disabilities. *Learning Disability Quarterly*, 42(1), 46–59.
- 2019 ● McKenna, J., Shin, M., Solis, M., Mize, M., & Pfannenstiel, K.
Effects of single-case reading interventions for students with and at-risk of emotional and behavioral disorders in grades K-12: A quantitative synthesis. *Psychology in the Schools*, 56(4), 608–629.

2019 ● Chae, S., Park, E.-Y., & Shin, M.
School-based interventions for improving disability awareness and attitudes towards disability of students without disabilities: A meta-analysis. *International Journal of Disability, Development and Education*, 66(4), 343–361.

2019 ● Garwood, J. D., Werts, M. G., Mason, L. H., Harris, B., Austin, M. B., Ciullo, S., Magner, K. M., Koppenhaver, D. A., & Shin, M.
Improving persuasive science writing for secondary students with emotional and behavioral disorders educated in residential treatment facilities. *Behavioral Disorders*, 44(4), 227–240.

2018 ● Shin, M., Chae, S., & Jung, P.-G.
The effects of strategy instruction for improving the ability to solve word problems among students with learning disabilities: A meta-analysis of single-case design research. *The Korea Journal of Learning Disabilities*, 15(3), 203–230. [Read more](#)

2018 ● Kim, W., Shin, M., & Yoo, Y.
The differences between eye movements of low and average achievers in visual search for map reading. *Asian Journal of Education*, 19(4), 1021–1048. [Read more](#)

2018 ● Kang, E., & Shin, M.
The effects of teacher preparation programs with project-based learning for strengthening preservice special education teachers' practical teaching abilities. *The Journal of the Korea Contents Association*, 18(12), 547–557. [Read more](#)

2018 ● Shin, M., & Chae, S.
Comparing the effects of the use of virtual manipulatives and visual representations to improve the fraction concepts of students with mild intellectual disabilities. *Special Education Research*, 17(4), 187–216. [Read more](#)

2018 ● Lee, H., Shin, M., & Choi, N.
A comparison of perceptions regarding the significance on Universal Design for Learning between preservice secondary general and special Education teachers. *The Journal of Inclusive Education*, 13(2), 73–93. [Read more](#)

2018 ● Shin, M., & Jung, P.
Reliability, validity, and usability of a graph extraction computer program for the meta-analysis of single-case studies. *Special Education Research*, 17(3), 185–207. [Read more](#)

2018 ● Shin, M., & Choi, N.
How Korean English language learners learn reading and mathematics in English: Policy considerations for at-risk students. *Asia-Pacific Journal of Intellectual Disabilities*, 5(1), 56–68. [Read more](#)

2018 ● Bae, B., Lee, O., & Shin, M.
A synthesis on the effects of app-based smart learning for students with disabilities: Focusing on single-case research designs. *The Journal of Special Children Education*, 20(2), 83–115. [Read more](#)

- 2018 ● Shin, M.
Developing a “Fun Fraction” website of virtual manipulatives and the effects of explicit and systematic instruction with the virtual-representational-abstract instructional sequence for elementary school students with mathematics difficulties. *The Korea Journal of Learning Disabilities*, 15(1), 57–91. [Read more](#)
- 2018 ● Park, E.-Y., Shin, M., & Chae, S.
A meta-analysis of single-case research designs on individualized positive behavior supports. *Journal of Behavior Analysis and Support*, 5(1), 27–48. [Read more](#)
- 2018 ● Shin, M., Park, E., Hong, K.-H., Lee, J., & Park, H.
A usability testing of a hybrid mobile reading game for children with reading disabilities. *The Journal of the Korea Contents Association*, 18(1), 314–326. [Read more](#)
- 2017 ● Choi, N., & Shin, M.
School supervisors in South Korea’s special education support centers: Legal duties and preparation for their supervisory responsibilities. *International Journal of Special Education*, 32(4), 784–792.
- 2017 ● Choi, N., Shin, M., & Cho, E.
Policies and issues surrounding the identification of students with learning disabilities in South Korea. *International Journal of Special Education*, 32(2), 439–457.
- 2017 ● Shin, M.
An analysis of mobile virtual manipulatives apps for the teaching of elementary school mathematics. *Journal of Korea Multimedia Society*, 20(6), 935–949. [Read more](#)
- 2017 ● Shin, M., & Bryant, D. P.
Improving the fraction word problem solving of students with mathematics learning disabilities: Interactive computer application. *Remedial and Special Education*, 38(2), 76–86.
- 2017 ● Shin, M., & Lee, H.
Mediating effects for the creativity development of elementary school students with mathematics difficulties, reading difficulties, reading and mathematics difficulties, and no learning difficulties: A latent growth curve analysis. *The Korea Journal of Learning Disabilities*, 14(1), 123–148. [Read more](#)
- 2017 ● Shin, M., Bryant, D. P., Bryant, B. R., Mckenna, J. W., Hou, F., & Ok, M.
Virtual manipulatives: Tools for teaching fractions to students with learning disabilities. *Intervention in School and Clinic*, 52(3), 148–153.
- 2017 ● Chae, S., Park, E.-Y., & Shin, M.
Needs analysis of lifelong education support and planning for people with disabilities in Jeollabukdo: A comparison by disability onset. *The Journal of Inclusive Education*, 12(1), 163–187. [Read more](#)
- 2017 ● Dougherty, B., Bryant, D. P., Bryant, B. R., & Shin, M.
Helping students with mathematics difficulties understand ratios and proportions. *TEACHING Exceptional Children*, 49(2), 96–105.

- 2017 ● Lee, Y., Park, E., Kim, Y.-T., & Shin, M.
An analysis of special school and special class teachers' reading instruction for students with disabilities. *The Journal of Special Children Education*, 19(1), 27-52. [Read more](#)
- 2017 ● Mckenna, J. W., Kim, M. K., Shin, M., & Pfannenstiel, K.
An evaluation of single-case reading intervention study quality for students with and at risk for emotional and behavioral disorders. *Behavior Modification*, 41(6), 868-906.
- 2016 ● Shin, M., Kang, E. Y., & Ok, M. W.
A survey of elementary school general education teachers' beliefs on inclusive education and mathematics instructional practices for students with disabilities and learning difficulties. *Special Education Research*, 15(4), 33-60. [Read more](#)
- 2016 ● Shin, M., Lee, H., & Mckenna, J. W.
Special education and general education preservice teachers' co-teaching experiences: A comparative synthesis of qualitative research. *International Journal of Inclusive Education*, 20(1), 91-107.
- 2016 ● Shin, M., Park, E., Kim, Y. T., & Kang, J. K.
Reading interventions for improving phonological awareness and word recognition of students with disabilities: A meta-analysis of single-subject research designs *The Journal of Special Children Education*, 18(2), 45-75. [Read more](#)
- 2015 ● Shin, M., & Bryant, D. P.
Fraction interventions for students struggling to learn mathematics: A research synthesis. *Remedial and Special Education*, 36(6), 374-387.
- 2015 ● Shin, M., & Bryant, D. P.
A synthesis of mathematical and cognitive performances of students with mathematics learning disabilities. *Journal of Learning Disabilities*, 48(1), 96-112.
- 2015 ● Shin, M., & Kim, W.
Cognitive performance of students with learning disabilities: A meta-analysis of the literature. *Special Education Research*, 14(3), 217-239. [Read more](#)
- 2015 ● Mckenna, J. W., Shin, M., & Ciullo, S. P.
Evaluating reading and mathematics instruction for students with learning disabilities: A synthesis of observation research. *Learning Disability Quarterly*, 38(4), 195-207.
- 2012 ● Shin, M., & Sorrells, A.
How first grade Korean English language learners respond to scientifically validated instruction in reading comprehension. *Journal of Bilingual Education Research & Instruction*, 14(1), 7-27. [Read more](#)



PUBLICATION: BOOK & BOOK CHAPTER

- 2025 ● Park, J., Bryant, D. P., Shin, M., & Choo, S.
Chapter 10: Assistive technology for mathematics. In, *An evidence-based guide to assistive technology: Meeting the needs of all students with disabilities*. Taylor and Francis.

- 2025 ● Shin, M., Park, J., Lee, J.-Y., & Meador, A.
Mathematics instruction for students with learning disabilities. In J. Bakken (Ed.), *International handbook of special education*. Springer.
- 2025 ● Bryant, D. P., Park, J., Shin, M., & Choo, S.
Assistive technology in special education. In J. Bakken (Ed.), *International handbook of special education*. Springer.
- 2021 ● Bryant, D. P., Bryant, B. R., & Shin, M.
Mathematics interventions. In D. P. Bryant (Ed.), *Intensifying mathematics interventions for struggling students* (pp. 1–18). Guilford.
- 2021 ● Ok, M. W., Shin, M., Bryant, B. R., & Bryant, D. P.
Use of technology for intensifying mathematics intervention. In D. P. Bryant (Ed.), *Intensifying mathematics interventions for struggling students* (pp. 183–202). Guilford.
- 2018 ● Lee, O., Shin, M., Kwak, J., Bae, B., Park, H., Yoo, M., & Jung, S.
Teaching and learning materials for inclusive education of students with disabilities: Grade 3 mathematics. National Institute of Special Education.
- 2018 ● Lee, O., Shin, M., Kwak, J., Bae, B., Park, H., Yoo, M., & Jung, S.
Teaching and learning materials for inclusive education of students with disabilities: Grade 4 mathematics. National Institute of Special Education.
- 2018 ● Lee, O., Shin, M., Ko, J., Kim, G., Kim, J., Seol, J., & So, S.
Teaching and learning materials for inclusive education of students with disabilities: Grade 3 Korean. National Institute of Special Education.
- 2018 ● Lee, O., Shin, M., Ko, J., Kim, G., Kim, J., Seol, J., & So, S.
Teaching and learning materials for inclusive education of students with disabilities: Grade 4 Korean. National Institute of Special Education.
- 2018 ● Lee, O., Shin, M., Kim, H., Kim, H., Sin, S., Yoon, J., & Seon, H.
Teaching and learning materials for inclusive education of students with disabilities: Grade 3 science. National Institute of Special Education.
- 2018 ● Lee, O., Shin, M., Kim, H., Kim, H., Sin, S., Yoon, J., & Seon, H.
Teaching and learning materials for inclusive education of students with disabilities: Grade 4 science. National Institute of Special Education.
- 2018 ● Lee, O., Shin, M., Kim, J., Moon, Y., Sim, S., Jo, G., & Ha, J.
Teaching and learning materials for inclusive education of students with disabilities: Grade 3 social studies. National Institute of Special Education.
- 2018 ● Lee, O., Shin, M., Kim, J., Moon, Y., Sim, S., Jo, G., & Ha, J.
Teaching and learning materials for inclusive education of students with disabilities: Grade 4 social studies. National Institute of Special Education.

- 2017 ● Lee, O., Shin, M., Sim, S., Shin, S., Yoon, J., Moon, Y., . . . Kim, H.
Teaching and learning materials for inclusive education of students with disabilities: Grade 1-1 integrated subject. National Institute of Special Education.
- 2017 ● Lee, O., Shin, M., Sim, S., Shin, S., Yoon, J., Moon, Y., . . . Kim, H.
Teaching and learning materials for inclusive education of students with disabilities: Grade 1-2 integrated subject. National Institute of Special Education.
- 2017 ● Lee, O., Shin, M., Sim, S., Shin, S., Yoon, J., Moon, Y., . . . Kim, H.
Teaching and learning materials for inclusive education of students with disabilities: Grade 2-1 integrated subject. National Institute of Special Education.
- 2017 ● Lee, O., Shin, M., Sim, S., Shin, S., Yoon, J., Moon, Y., . . . Kim, H.
Teaching and learning materials for inclusive education of students with disabilities: Grade 2-2 integrated subject. National Institute of Special Education.
- 2017 ● Lee, O., Yoo, J., Shin, M., Kim, W., Baek, S., Lee, H., . . . Lee, J.
Teaching and learning materials for inclusive education of students with disabilities: Grade 1 mathematics. National Institute of Special Education.
- 2017 ● Lee, O., Yoo, J., Shin, M., Kim, W., Baek, S., Lee, H., . . . Lee, J.
Teaching and learning materials for inclusive education of students with disabilities: Grade 2 mathematics. National Institute of Special Education.
- 2017 ● Lee, O., Park, K., Shin, M., Kim, J., Kim, M., Shin, S., . . . Park, S.
Teaching and learning materials for inclusive education of students with disabilities: Grade 1 Korean. National Institute of Special Education.
- 2017 ● Lee, O., Park, K., Shin, M., Kim, J., Kim, M., Shin, S., . . . Park, S.
Teaching and learning materials for inclusive education of students with disabilities: Grade 2 Korean. National Institute of Special Education.
- 2015 ● Bryant, D. P., Bryant, B. R., Shin, M., Pfannenstiel, K. H.
Learning disabilities: Mathematics characteristics and instructional exemplars. In S. Chinn (Ed.), *The Routledge international handbook of dyscalculia and mathematical learning difficulties* (pp. 243-255). Routledge.
- 2014 ● Bryant, D. P., Pfannenstiel, K. H., Bryant, B. R., Hunt, J., & Shin, M.
Selecting and tailoring interventions for students with mathematics difficulties. In J. T. Mascolo, V. C. Alfonso, & D. P. Flanagan (Eds.), *Essentials of planning, selecting, and tailoring interventions for unique learners* (pp. 178-203). Wiley.
- 2013 ● Bryant, D. P., Bryant, B. R., Williams, J. L., Kim, S. A., & Shin, M.
Instructional practices for improving student outcomes in solving arithmetic combinations. In B. G. Cook & M. Tankersley (Eds.), *Research-based practices in special education* (pp. 61-72). Pearson.
- 2013 ● Bryant, D. P., Bryant, B. R., Williams, J. L., Kim, S. A., & Shin, M.
Instructional practices for improving student outcomes in solving arithmetic combinations. In D. J. Chard, B. G. Cook, & M. Tankersley (Eds.), *Research-based strategies for improving outcomes in academics* (pp.58-69). Pearson.



PUBLICATION: NON-PEER REVIEWED REPORT, DATA & SOFTWARE

- 2026 ● Shin, M.
pubmlp: Multimodal publication classifier with LLM and deep learning (Python package version 0.2.9) [Computer software]. [PyPI](#) | [Documentation](#) | [GitHub](#)
- 2026 ● Shin, M.
mathipy: Multimodal item feature extraction for K-12 math assessment (Python package version 0.1.3) [Computer software] [PyPI](#) | [Documentation](#) | [GitHub](#)
- 2026 ● Shin, M.
COLAB Math [Web application]. <https://colabmath.org/>
- 2026 ● Shin, M.
Math live [Web application]. <https://math-live.app/>
- 2026 ● Shin, M.
Math tutor [Web application]. [Single-agent](#) | [Multi-agent](#)
- 2026 ● Shin, M.
TextAnalysisR: Analyze text data [Web application]. <https://www.textanalysisr.org>
- 2025 ● Shin, M.
TextAnalysisR: A text mining workflow tool (R package version 0.0.3) [Computer software]. [R Package](#) | [Documentation](#) | [GitHub](#) | [Docker Hub](#)
- 2024 ● Shin, M.
Mathematics application usability scale [Web application]. <https://mkshin.shinyapps.io/MA-US>
- 2024 ● Shin, M.
Fun Fraction: Let's learn how to multiply and divide fractions [Website]. <https://en-funfraction.net>
- 2024 ● Shin, M.
Fun Fraction: Let's learn how to multiply fractions [Website]. <https://funfraction.org>
- 2024 ● Shin, M.
재미난 분수 [Website]. <https://funfraction.net>
- 2016 ● Park, E., Chae, S., & Shin, M.
Analysis of the status of lifelong education for individuals with disabilities in Jeollabuk-do and its policy direction. Gunsan, Republic of Korea: Lifelong Education Center for Individuals with Disabilities in Gunsan.
- 2015 ● Shin, M.
Family support in the U.S. *Web Magazine for Practical Special Education*, 22. <http://www.nise.go.kr/jsp/field/2015-2/09.jsp>

- 2015 ● Shin, M.
The use of smartphone in the U.S. classroom. *Web Magazine for Practical Special Education*, 22. <http://www.nise.go.kr/jsp/field/2015-1/09.jsp>
- 2012 ● Bryant, D. P, Bryant, B. R., Shin, M., McKenna, J., Methuen, C. Tausiani, J., & Kim, M.
Technical report for the Algebra I, English I, and behavior. Texas Education Agency/University of Texas System.
- 2011 ● Bryant, D. P, Bryant, B. R., Langley, J., Flower, A., Hou, V., McKenna, J., Muething, C., Shin, M., & Tausiani, J.
Secondary special education observation and intervention study. Technical report. Texas Education Agency/University of Texas System.



PROFESSIONAL CONFERENCE PRESENTATION

- 2026, February ● Shin, M., Choo, S., An, J., & Hossain, G.
Building secure and trustworthy multi-modal AI systems for inclusive math difficulty analysis: A cybersecurity-enhanced approach [Poster session]. 34th Annual Pacific Coast Research Conference, Long Beach, CA.
- 2025, November ● Shin, M., & Kroesch, A. M.
Use of AI for teaching and learning mathematical literacy [Panel session]. 76th Annual Illinois Council for Exceptional Children Fall Convention, Chicago, IL.
- 2025, October ● Shin, M., & Park, J.
Causal inferences for data in single-case design research across multilevel contexts [Panel session]. 2025 Society for Research on Educational Effectiveness Conference, Chicago, IL.
- 2025, October ● Shin, M., Watson, L., Deniz, F. K., Kong, J., Lee, S. H., Ewoldt, K., & Johnson, F.
AI policies in education for individuals with learning disabilities [Panel session]. 47th International Conference on Learning Disabilities, Salt Lake City, Utah.
- 2025, October ● Simmons, M., Hart, S., Shin, M., Denham, J., & Niegos, P.
Dyslexia identification: Dyslexia legislation trends in rural & urban school [Poster session]. International Dyslexia Association 2025 Annual Reading, Literacy & Learning Conference, Atlanta, GA.
- 2025, June ● Shin, M., & Park, J.
Visual analysis and bayesian multilevel models: Single-case design research for students with learning disabilities [Lecture presentation]. 2025 Korean Society of Special Education Conference. Baekseok University, Republic of Korea.
- 2025, February ● Shin, M.
Implementation of semi-automated AI-driven literature screening in special education [Poster session]. 33rd Annual Pacific Coast Research Conference, Coronado, CA.
- 2025, March ● Shin, M., Park, H., & Kang, E. Y.
Employing artificial intelligence techniques in special education research and methodology [Poster session]. Council for Exceptional Children 2025 Annual Convention, Baltimore, MD.

- 2025,
March

● Park, H., Grep, M., & Shin, M.
Effects of interactive and hands-on learning experience of assistive technology on students' perspectives and knowledge [Concurrent session]. Council for Exceptional Children 2025 Annual Convention, Baltimore, MD.
- 2024,
October

● Hatala, E., Simmons, M., & Shin, M.
Practices and preferences when using the WJ-IV battery in culturally/linguistically diverse evaluation [In-progress research roundtable session]. 46th International Conference on Learning Disabilities, Charlotte, North Carolina.
- 2024,
October

● Choo, S., An, J., & Shin, M.
Embedded assessment in educational games: Optimizing NumberShire gameplay data [Roundtable session]. 46th International Conference on Learning Disabilities, Charlotte, North Carolina.
- 2024,
October

● Hossain, G., Shin, M., & Afrose, M.
Bridging the gap: Exploring cybersecurity careers for high school students [Full paper session]. Frontiers in Education 2024, Washington, DC.
- 2024,
October

● Hossain, G., Hurt, T., & Shin, M..
Fundamentals on cyber fraud detection and investigation: Empowering high school students for a secure digital future [Full paper session]. Frontiers in Education 2024, Washington, DC.
- 2024,
April

● Shin, M., Park, J., & Kim, S.
Technology-enhanced mathematics instruction for students with learning disabilities [Concurrent session]. Council for Exceptional Children 2024 Annual Convention. Virtual Conference.
- 2024,
March

● Mohammed, S. P., Hossain, G., Ameen, S. Y. Q., Keosouvanh, S., & Shin, M.
Designing educational games to teach ethical hacking course in high school (grades 9-12) [Full paper session]. 14th IEEE Integrated STEM Education Conference. Princeton University, NJ.
- 2024,
March

● Shin, M., Park, J., & Kim, S.
Technology-enhanced mathematics instruction for students with learning disabilities [Concurrent session]. Council for Exceptional Children 2024 Annual Convention, San Antonio, Texas. [Slides](#)
- 2024,
February

● Shin, M.
Knowledge mapping of single-case design research: An analysis with the use of large language transformer model [Poster presentation]. 32nd Annual Pacific Coast Research Conference, Coronado, CA. [Slides](#)
- 2024,
February

● Kang, E., Park, H., & Shin, M.
Educational policy proposals for students with learning disabilities based on the direction of future education development analyzed through Delphi survey [Lecture presentation]. 2024 Korea Learning Disabilities Association Winter Academic Conference. Republic of Korea.
- 2024,
January

● Hossain, G., Shin, M., & Afrose, M.
Empowering K-12 STEM educators: Enhancing cybersecurity awareness through professional development [Paper presentation]. 42nd IEEE International Conference on Consumer Electronics, Las Vegas, Nevada.

- 2023, November ● Shin, M., Hossain, G., & Afrose, M.
Uncovering opinions on cybersecurity and accessibility in metaverse [Power talk session]. 13th Global TechMining Conference, Virtual Event.
- 2023, October ● Shin, M., Park, J., & Kim, S.
Case study and meta-analysis of the use of virtual manipulatives [Roundtable session]. 45th International Conference on Learning Disabilities, Denver, Colorado.
- 2023, October ● Simmons, M., Shin, M., & Hart, S.
Dyslexia legislation trends in rural and urban schools [Roundtable session]. 45th International Conference on Learning Disabilities, Denver, Colorado.
- 2023, August ● Kang, E., Park, H., & Shin, M.
Development directions for future special education and education for students with learning disabilities [Lecture presentation]. 2023 Korea Learning Disabilities Association Academic Conference. Kookmin University, Republic of Korea.
- 2023, February ● Shin, M.
Exploring mathematics vocabulary terms and semantic mapping: NAEP text-to-speech items [Poster presentation]. 31st Pacific Coast Research Conference, Coronado, CA. [Poster](#)
- 2023, February ● Kim, W., & Shin, M.
Comprehension processes through eye movement and think-aloud tasks [Poster presentation]. 31st Annual Pacific Coast Research Conference, Coronado, CA.
- 2022, December ● Shin, M.
Longitudinal analysis for single-case experimental design meta-analyses: Using R [Lecture presentation]. Korean Society of Special Education Conference. National Institute of Special Education, Republic of Korea. [Slides](#)
- 2022, October ● Jones, B. A., Simmons, M. L., Huskin, P. R., Shin, M., & Sande, B.
Improving university programming of students with learning disabilities [Roundtable session]. 44th International Conference on Learning Disabilities, Richmond, Virginia.
- 2022, March ● Shin, M., & Hossain, G.
Development and application of user-defined dictionary objects for text mining analysis in special education technology research [Poster presentation]. 17th Annual Faculty Research Poster Session and Research Fair, West Texas A&M University, TX, United States. [Poster](#)
- 2022, February ● Shin, M.
Trends in technology use for teaching mathematics to students with disabilities [Poster session]. Annual Pacific Coast Research Conference, Coronado, CA. [Poster](#)
- 2021, December ● Shin, M.
A single-case multilevel meta-analysis: Mathematics interventions using virtual manipulatives for students with disabilities [Lecture presentation]. Korean Society of Special Education Conference. Kongju National University, Republic of Korea. [Slides](#)

- 2021, October ● Simmons, M., & Shin, M.
A nationwide survey on parent perspectives of the dyslexia diagnosis process [Panel session]. 43rd International Conference on Learning Disabilities, Las Vegas, NV.
- 2021, March ● Shin, M.
Multilevel models for single-case data: Using virtual manipulatives for students with disabilities [Poster presentation]. 16th Annual Faculty Research Poster Session and Research Fair, West Texas A&M University, TX, United States.
- 2021, March ● Behl, M., Denton, K., Simmons, M., Coneway, B., & Shin, M.
Dyslexia and the school counselor [Poster presentation]. 16th Annual Faculty Research Poster Session and Research Fair, West Texas A&M University, TX, United States.
- 2021, March ● Denton, K., Simmons, M., Coneway, B., & Shin, M., & Behl, M.
Parent perspectives of the dyslexia diagnosis process [Poster presentation]. 16th Annual Faculty Research Poster Session and Research Fair, West Texas A&M University, TX, United States.
- 2021, March ● Shin, M., & Powell, S. R.
Different examples of word-problem instruction for students with learning disabilities [Multi-presentation]. Council for Exceptional Children Annual Convention, Baltimore, MD.
- 2021, March ● Park, J., Bryant, D. P., Satsangi, R., & Shin, M.
Use of virtual manipulatives for students with mathematics difficulties [Poster presentation]. Council for Exceptional Children Annual Convention, Baltimore, MD.
- 2021, February ● Cho, E., Choi, N., & Shin, M.
Learning disabilities in South Korea: Policies and issues on the identification of students with LD [Lecture presentation]. Learning Disabilities Association of America's 58th Annual International Conference. Virtual conference.
- 2020, October ● Shin, M., Simmons, M., & Goode, F.
Virtual manipulative-based explicit instruction for students struggling with mathematics [Panel presentation]. 2020 Virtual Annual Conference, Council for Learning Disabilities.
- 2020, October ● Lee, J., Bryant, D. P., Ok, M. W., & Shin, M.
Algebra interventions for secondary students with learning disabilities [Roundtable session]. 2020 Virtual Annual Conference, Council for Learning Disabilities.
- 2020, March ● Shin, M., Simmons, M., Goode, F., Meador, A., Deal, A., & Jackson, T.
Virtual manipulatives in mathematics interventions for students with mathematics difficulties [Poster presentation]. 15th Annual Faculty Research Poster Session and Research Fair, West Texas A&M University, TX, United States.
- 2020, February ● Shin, M.
Assistive technology to enhance mathematics concepts and skills for children with disabilities [Lecture presentation]. 2020 Amarillo Conference (Becoming Agents of Change), Amarillo, TX.

- 2020, February ● Shin, M., Grimes, R., Park, J., & Bryant, D.
Using technology to enhance mathematics instruction for students with mathematics difficulties [Panel presentation]. Council for Exceptional Children Annual Convention, Portland, OR.
- 2019, October ● Shin, M.
Learning disabilities in South Korea: Disability awareness, policies, and instructional Practices [Roundtable session]. 41th International Conference on Learning Disabilities, San Antonio, TX.
- 2019, June ● Shin, M., & Kim, W.
A meta-analysis on the associations of working memory and mathematical problem-solving: A moderator analysis by learners' disability profile [Lecture presentation]. Korean Society of Special Education Conference. Seoul, Republic of Korea.
- 2018, September ● Shin, M.
Understanding and application of single-case meta-analyses [Lecture presentation]. Ewha Womans University, School of Education, Annual Conference, Seoul, Republic of Korea.
- 2018, May ● Shin, M.
A comparative analysis of validity, reliability, and usability of graph extraction online programs for single-case research designs [Lecture presentation]. Korean Society of Special Education Conference. Changwon, Republic of Korea.
- 2017, May ● Shin, M.
Development and evaluation of a virtual manipulatives web for teaching mathematics to students struggling to learn mathematics [Lecture presentation]. Korean Society of Special Education Conference, Busan, Republic of Korea.
- 2017, April ● Shin, M., Lee, H., & Choi, N.
UDL in teacher preparation programs [Multi-presentation session]. Council for Exceptional Children Annual Convention, Boston, MA.
- 2017, January ● Shin, M., Ok, M. K., & Kang, E. Y.
General and special education elementary school teachers' implementation of mathematics instruction for students struggling to learn mathematics [Poster session]. Kongju National University BK21+ International Conference, Kongju, Republic of Korea.
- 2016, October ● Shin, M., Jung, P.-G., Ok, M. W., Kang, E. Y., & Kim, M. K.
A research synthesis from start to publication: Theory and applications [Panel session]. 38th International Conference on Learning Disabilities, San Antonio, TX.
- 2016, November ● Shin, M., & Lee, H.
A longitudinal analysis of the effects of interactive class, academic stress, parents' educational support on creativity development mediated by self-concept and basic academic skills of students with mathematics difficulties, reading difficulties, and reading/mathematics difficulties [Lecture presentation]. 10th KELS (Korean Education Longitudinal Study) Conference, Seoul, Republic of Korea.

- 2016, July ● Shin, M.
Current issues in early childhood special education: Neuroscience, shared reading, and co-teaching [Lecture presentation]. 68th OMEP World Assembly and International Conference, Seoul, Republic of Korea.
- 2016, October ● Lee, J., Bryant, D. P., Ok, M., & Shin, M.
Teaching algebraic concepts and skills to secondary students with learning disabilities [Poster session]. 38th International Conference on Learning Disabilities, San Antonio, TX.
- 2016, June ● Shin, M.
Smart learning based mathematics instruction for students with learning disabilities [Lecture presentation]. Ewha Womans University, School of Education, Annual Conference, Seoul, Republic of Korea.
- 2016, June ● Lee, J., Bryant, D. P., Ok, M., & Shin, M.
Effects of interventions to teach algebraic concepts and skills to secondary students with learning disabilities [Poster session]. International Academy for Research in Learning Disabilities Conference, Austin, TX, U.S.
- 2016, June ● Lee, J., Bryant, D. P., Bryant, B., Shin, M., & Ok, M.
Using response to intervention model to teach mathematics to students [Poster session]. International Academy for Research in Learning Disabilities Conference, Austin, TX.
- 2016, May ● Shin, M.
Interactive web-based mathematics instruction for improving word problem solving of students with mathematics learning disabilities [Lecture presentation]. Korean Society of Special Education Conference, Kongju, Republic of Korea.
- 2016, April ● Shin, M.
Special education and general education preservice teachers' co-teaching experiences: A comparative synthesis of qualitative research [Poster session]. Council for Exceptional Children Annual Convention, St. Louis, Missouri.
- 2016, April ● McKenna, J., Shin, M., & Pfannenstiel, K.
Evaluation of single-subject reading interventions for students with emotional and behavioral disorders [Poster session]. Council for Exceptional Children Annual Convention, St. Louis, Missouri.
- 2016, February ● Shin, M., Bryant, D. P., & Kim, W.
The relationship between mathematical and cognitive performances of students struggling to learn mathematics: A meta-analysis [Poster session]. Pacific Coast Research Conference, Coronado, CA.
- 2015, November ● Shin, M.
Mathematics learning disabilities: Cognitive and mathematical characteristics [Lecture presentation]. Ewha Womans University, School of Education, Annual International Conference, Seoul, Republic of Korea.
- 2015, October ● Shin, M., Bryant, D. P., & Kim, M. K.
Development and application of interaction computer application to teach fraction concepts [Interactive paper session]. 37th International Conference on Learning Disabilities, Las Vegas, NV.

- 2015, April ● Bryant, D. P., Kim, M. K., Ok, M., & Shin, M.
Computer-mediated and teacher-mediated instruction for students with learning disabilities: Embedding technologies into interventions [Panel session]. Council for Exceptional Children Annual Convention, San Diego, CA.
- 2014, October ● Shin, M., & Hou, F.
A review of strategy instruction in word problem solving for struggling adolescent learners [Interactive paper session]. 36th International Conference on Learning Disabilities, Philadelphia, PA.
- 2014, February ● Shin, M., & Bryant, D. P.
A synthesis of mathematical and cognitive performances of students with mathematics learning disabilities [Poster session]. Pacific Coast Research Conference, Coronado, CA.
- 2013, October ● Shin, M., & Mckenna, J., & Bryant, D. P.
Using virtual manipulatives for specific mathematics applications [Interactive paper session]. 35th International Conference on Learning Disabilities, Austin, TX.
- 2013, October ● Mckenna, J., Shin, M., & Ciullo, S. P.
Instructional delivery for students with LD: Review of observation studies [Interactive paper]. 35th International Conference on Learning Disabilities, Austin, TX.
- 2013, April ● Shin, M., & Bryant, D. P.
A synthesis of fractions interventions for students struggling with mathematics [Poster session]. Council for Exceptional Children Annual Convention, San Antonio, TX.
- 2013, February ● Shin, M., & Bryant, D. P.
A review of fractions interventions for students with learning disabilities [Poster session]. 50th Annual International Conference on Learning Disabilities Association of America, Austin, TX.
- 2012, October ● Shin, M., & Bryant, D. P.
Mathematical and cognitive performances of students with mathematics learning disabilities [Poster session]. 34th International Conference on Learning Disabilities, Austin, TX.
- 2012, October ● Bryant, D. P., Shin, M., & Bryant, B. R.
Algebra I ninth-grade classes: In search of effective instructional practices for teaching students with learning disabilities in inclusive settings [Poster session]. 34rd International Conference on Learning Disabilities, Austin, TX.
- 2012, June ● Bryant, D. P., Ramirez, J. T., Tracey, J., Shin, M., & Bryant, B. R.
Mathematics supplemental instruction provided to students with learning disabilities at the high school level: observations and interventions [Poster session]. Texas Council for Exceptional Children, San Antonio, TX.
- 2012, June ● Bryant, B. R., Bryant, D. P., Kim, M.-K., Ramirez, J. T., Shin, M., Tracey, J., & Laidlaw-Almaguer, S.
Algebra I and English I inclusion: Effective instruction for students with learning disabilities [Poster session]. Texas Council for Exceptional Children, San Antonio, TX.

- 2012, April ● Shin, M., Lee, H., & Bryant, D. P.
Preservice teachers' co-teaching: A synthesis of qualitative research [Poster session]. Council for Exceptional Children Annual Convention, Denver, CO.
- 2012, April ● Bryant, D. P., Bryant, B. R., Kim, M., Tausiani, J., & Shin, M.
English I and algebra I inclusion classes: A learning disabilities instructional focus [Poster session]. Council for Exceptional Children Annual Convention, Denver, CO.
- 2012, February ● Bryant, D. P., Bryant, B. R., Flower, A., Tausiani, J., Langley, J. D., McKenna, J., Muething, C., & Shin, M.
Findings from an observation study of ninth-grade algebra I and English I classes [Poster session]. Pacific Coast Research Conference, Coronado, CA.
- 2011, October ● Shin, M., & Bryant, D. P.
Review of mathematics intervention for struggling secondary-level learners [Poster session]. 33rd International Conference on Learning Disabilities, Austin, TX.
- 2011, October ● Bryant, D. P., Tausiani, J., Bryant, B. R., & Shin, M.
Algebra I ninth-grade classes: In search of effective instructional practices for teaching students with learning disabilities in inclusive settings [Poster session]. 33rd International Conference on Learning Disabilities, Austin, TX.
- 2010, April ● Shin, M., & Sorrells, A.
Applying Collaborative Strategic Reading to comprehension instruction of Korean English language learners [Poster session]. Council for Exceptional Children Annual Convention, Nashville, TN.



INVITED GUEST LECTURER

- 2025, Fall ● Collaborative Teaching of Artificial Intelligence for Math
Thomas Metcalf School, Illinois State University
- 2025, Fall ● Inclusive Strategies for Elementary Math
FIREd Up About Inclusive Education Conference
- 2025, Summer ● Mathematics Learning Support and Instructional Modifications for Students With Learning Difficulties: Focused on Evidence-Based Domestic and International Cases
Special Education Teacher (Level 1) Qualification Training, Catholic University of Korea, Republic of Korea
- 2025, Spring ● Meta-Analytic Method for Virtual Manipulative Math Instruction
College of Education, Illinois State University
- 2025, Spring ● Teaching and Learning Mathematics With Technology for Students With Disabilities
Meta-Analytic Method for Virtual Manipulative Math Instruction
- 2024, Winter ● Evidence-Based Mathematics Interventions for Students With Learning Difficulties and Learning Disabilities
Special Education Seminar, Catholic University of Korea, Republic of Korea

- 2024, Fall ● Artificial Intelligence Brown Bag Lunch
Committee for Responsible AI, Illinois State University
- 2024, Fall ● Cyber Text Mining and Metaverse
PERFECT Cybersecurity Intermediate Online Module, University of North Texas/West Texas A&M University
- 2024, Summer ● Metaverse and Cybersecurity: Keep Every Student Safe
PERFECT Training, University of North Texas/West Texas A&M University [Slides](#)
- 2024, Summer ● Mathematics Learning Support and Instructional Modifications for Students With Learning Difficulties: Focused on Evidence-Based Domestic and International Cases
Special Education Teacher (Level 1) Qualification Training, Catholic University of Korea, Republic of Korea
- 2024, Summer ● Tech Blitz: AI for Math
Center for Innovation, Design, and Digital Learning, Lawrence, Kansas [Part 1](#) | [Part 2](#) | [Part 3](#)
- 2024, Spring ● Interactive Technology and Accessible Instructional Designs for Teaching Mathematics to Students With Disabilities
EEX 4763 Technology for Classroom Teachers of Students with Special Needs, College of Community Innovation and Education, University of Central Florida
- 2023, Fall ● Metaverse and Text Mining in Cybersecurity
PERFECT Cybersecurity Basic Online Module, University of North Texas/West Texas A&M University
- 2023, Fall ● Online Learning Andragogical Diversity Panel
Paul and Virginia Engler College of Business, West Texas A&M University, Amarillo, Texas
- 2023, Summer ● Metaverse and Cybersecurity: Keep Every Student Safe
PERFECT Training, University of North Texas/West Texas A&M University
- 2022, Fall ● Parents' Voices Matter: Lessons Learned from a National Survey on the Dyslexia Diagnosis Process
Center for Learning Disabilities, West Texas A&M University, Amarillo, Texas
- 2021, Fall ● Exploring the Benefits of Virtual Learning for Students with Learning Differences
Center for Learning Disabilities, West Texas A&M University, Amarillo, Texas
- 2021, Summer ● TExES Exam Preparation Session
Special Education TExES Prep Course, Region 16 Education Service Center, Amarillo, Texas
- 2020, Fall ● Meta-Analysis of Single-Case Research
Graduate School of Education, Korea National University of Education, Cheongju-si, Republic of Korea
- 2020, Spring ● My Child is Struggling with Math! Could it be Dyscalculia?
Center for Learning Disabilities, West Texas A&M University, Amarillo, Texas

- 2019, Fall ● Dyscalculia: Math Learning Disability Causes, Characteristics, and Interventions
Statewide Webinar, Partners Resource Network, Beaumont, Texas
- 2019, Spring ● Prevention and Duty to Report Abuse of People with Disabilities
School of Education (Lecture for Undergraduate Students), Jeonju University, Jeonju, Republic of Korea
- 2018, Fall ● Effective Behavior Modification for Preventing Challenging Problems
Parent Education Workshop for Families of Students with Disabilities, Myounghwa School for Students with Intellectual Disabilities, Jeonbuk, Republic of Korea
- 2018, Spring ● Introduction to a Single-Case Meta-Analysis
Department of Education (Graduate Seminar), Korea University, Seoul, Republic of Korea
- 2018, Spring ● Effective Behavior Modification for Preventing Challenging Problems
Special Education Support Center in Buan, Buan Office of Education, Jeonbuk, Republic of Korea
- 2017, Spring ● Supporting Communication of Children With Developmental Disabilities: Focusing on Parent Education
National Center for Disabled Children and Developmental Disabilities, Support Center for Individuals with Developmental Disabilities, Jeonbuk, Republic of Korea
- 2017, Spring ● A Meta-Analysis with the Use of Comprehensive Meta-Analysis Version 3.0
Department of Education (Graduate Seminar), Korea University, Seoul, Republic of Korea
- 2016, Fall ● User Interface for Learners with Learning Difficulties
Department of Computer and Information Communications Engineering, Hongik University, Sejong, Republic of Korea
- 2016, Summer ● Various Assessment Methods for Learning Difficulties
2016 Academic Year's Teacher Training Program, Incheon Bukbu Office of Education, Incheon, Republic of Korea
- 2016, Summer ● Behavior Modification and Behavior Management
School psychologist Certificate Training, Korean School Psychology Association, Seoul, Republic of Korea
- 2016, Summer ● Special Education Statistics: Research and Application
The Graduate School of Education, Yongin University, Gyeonggi, Republic of Korea
- 2016, Spring ● My Life Story
Department of Special Education, Ewha Womans University, Seoul, Republic of Korea
- 2016, Spring ● Mathematics Instruction for Students with Intellectual Disabilities, Teaching Experiences in the U.S.A.
The Graduate School of Education, Gyeongin National University of Education, Incheon, Republic of Korea

- 2015, Fall ● Teaching Students with Learning Disabilities
Department of Special Education, Ewha Womans University, Seoul, Republic of Korea
- 2015, Fall ● Mathematics Instruction for Students with Learning Disabilities
Department of Special Education, Ewha Womans University, Seoul, Republic of Korea
- 2015, Fall ● Cause, Characteristics, and Instruction of Students with Learning Disabilities
Children's Center for Developmental Support, Ewha Womans University, Seoul, Republic of Korea
- 2015, Spring ● A Research Synthesis from Start to Publication
Department of Special Education (Doctoral Seminar), The University of Texas at Austin, Austin, Texas
- 2013, Spring ● Theoretical Framework
Department of Special Education (Instructional Adaptations II SED 383), The University of Texas at Austin, Austin, Texas

EDITORIAL CONTRIBUTION

- President-Elect
Innovations in Special Education Technology, 2025–2026
- Vice President
Innovations in Special Education Technology, 2024–2025
- Co-Chair
Information Communications and Technology, Council for Learning Disabilities, 2024–Current
- Board of Directors
Korea Education Curriculum Instruction, 2022–Current
Korea Learning Disabilities Association, 2016–Current
- Editorial Board
Journal of Special Education Technology, 2026–Current
Journal of Special Education for Curriculum and Instruction, 2022–Current
Special Education Research, 2020–Current
The Korea Journal of Learning Disabilities, 2020–Current
Journal of Special Education: Theory and Practice, 2019–Current
Learning Disability Quarterly, 2016–Current
Journal of Interactive Learning Research, 2016–2023

● Reviewer for Journals

Scientific Studies of Reading, 2026
Applied Psycholinguistics, 2025–Current
Mathematical Thinking and Learning, 2025
International Journal of Artificial Intelligence in Education, 2025
Scientific Reports, 2024–Current
Journal of Educational Computing Research, 2024–Current
Psychology in the Schools, 2024–Current
Journal of Research in Special Educational Needs, 2024–Current
Engineering Management Review, 2024–Current
Innovation and Education, 2024–Current
Teachers College Record, 2023–Current
International Journal of STEM Education, 2023–Current
School Science and Mathematics, 2023–Current
Journal for STEM Education Research, 2023–Current
Exceptional Children, 2019, 2023–Current
Exceptionality, 2015, 2020, 2023–Current
International Journal of Developmental Disabilities, 2023–Current
Open Education Studies, 2023
Applied Sciences, 2023
Cogent Education, 2023
Disability and Rehabilitation: Assistive Technology, 2022–Current
Behavioral Disorders, 2022–Current
Mathematics, 2021–Current
Journal of Mathematical Behavior, 2021–Current
Review of Educational Research, 2021–Current
Education Sciences, 2021–Current
Science Progress, 2021–Current
Educational Review, 2021
The Journal of the Korea Contents Association, 2020–Current
Journal of Learning Disabilities, 2019–Current
International Journal of Inclusive Education, 2015, 2018–Current
Journal of Special Education: Theory and Practice, 2019–Current
The Journal of Special Children Education, 2017–Current
International Journal of Disability, Development and Education, 2017–Current
The Korean Journal of Learning Disabilities, 2016–Current
Learning Disability Quarterly, 2013, 2015, 2017–Current
Journal of Interactive Learning Research, 2015–Current
Learning Disabilities: A Multidisciplinary Journal, 2021
Special Education Research, 2017–2020
Journal of Educational Change, 2019
Journal of Intellectual Disabilities, 2017
Journal of Computers In Education, 2016
Remedial and Special Education, 2015



PROFESSIONAL ASSOCIATION



Member

- Innovations in Special Education Technology, 2020–Current
- Institute of Electrical and Electronics Engineers, 2020–Current
- International Society for Technology in Education, 2020–Current
- Association for Computing Machinery, 2020–Current
- The Korean Society for Educational Technology, 2020–Current
- Korea Learning Disabilities Association, 2015–Current
- Korean Society of Special Education, 2016–Current
- Council for Learning Disabilities, 2012–Current
- Council for Exceptional Children, 2009–Current
- National Council of Teachers of Mathematics, 2010–Current
- Learning Disabilities Association of America, 2012–Current
- American Educational Research Association, 2007–Current



PROFESSIONAL SERVICE

- 2025 ● Reviewer for Conference Proposals
2026 Council for Exceptional Children Annual Convention, Salt Lake City, Utah
- 2025 ● Korean Bilingual Teacher
|
2024 Korean Church of Bloomington Normal (Intermediate Class), Normal, Illinois
- 2024 ● Reviewer for Conference Proposals
2025 Council for Exceptional Children Annual Convention, Baltimore, Maryland
- 2023 ● Reviewer for Conference Proposals
2024 Council for Exceptional Children Annual Convention, San Antonio, Texas
- 2023 ● Concurrent Session Tech Support Volunteer
45th International Conference on Learning Disabilities, Denver, Colorado.
- 2023 ● Learning Disabilities Professional Development for Teachers Committee & Instructor,
|
2022 Mathematics Assessment and Instruction: Geometry and Word Problems
Korea Learning Disabilities Association, Republic of Korea
- 2023 ● Texas Continuous Improvement Steering Committee
|
2021 Texas Education Agency, Austin, Texas
- 2023 ● Faculty Liaison and Facilitator for Community Workshops and Dyslexia Simulation trainings
|
2019 Center for Learning Disabilities, West Texas A&M University, Amarillo, Texas
- 2022 ● External Faculty Consultant
|
2020 Special Education Research Institute, Ewha Womans University, Seoul, Republic of Korea
- 2021 ● Special Education Certification Session Training
Region 16 Education Service Center, Amarillo, TX

- 2021
|
2020 ● Dissertation Committee Member (Jiyeon Park)
The University of Texas at Austin, Austin, TX
- 2020 ● External Grant Reviewer
Research and Development Office, The Education University of Hong Kong, Hong Kong
- 2019
|
2018 ● Conference Committee
Korea Learning Disabilities Association, Republic of Korea
- 2016
|
2014 ● Guest Reviewer for Conference Proposals
International Conference on Learning Disabilities, Council for Learning Disabilities
- 2013 ● Teaching Assistant, Law and Disabilities (Undergraduate class)
The University of Texas At Austin, Austin, Texas
- 2013
|
2012 ● Session Monitor
International Conference on Learning Disabilities, Austin, Texas
- 2011
|
2008 ● Korean Bilingual Teacher
Korean School at Austin Korean Presbyterian Church, Austin, Texas
- 2009
|
2008 ● Chairman
Korean Student Association for Special Education, Austin, Texas
- 2008
|
2007 ● Homework Tutor and Assistant, Korean ESL Class
Mathews Elementary School, Austin, Texas
- 2007 ● Teaching Assistant, Resource Room
Murchison Middle School, Austin, Texas
- 2005 ● Interpreter and Assistant
Seoul International Wheelchair Marathon, Seoul, Republic of Korea
- 2004 ● Teaching Assistant, Special Class
Chungdam High School, Seoul, Republic of Korea
- 2004 ● Teaching Assistant, Supporting Students with Emotional and Behavioral Disorders
Miral School for Students with Emotional or Behavioral Disorders, Seoul, Republic of Korea
- 2002 ● Teaching Assistant, Supporting Students with Intellectual Disabilities
Jungae School for Students with Intellectual Disabilities and Emotional or Behavioral Disorders,
Seoul, Republic of Korea
- 2002 ● Teaching Assistant, Supporting Students with Physical Disabilities
Yonsei Rehabilitation School, Seoul, Republic of Korea

- 2002 ● Vice Chairman
Student Council for Special Education, Seoul, Republic of Korea
- 2001 ● Private Math Tutor
Visually Disabled High School Student, Seoul, Republic of Korea
- 2001 ● Teaching Assistant, Special Class
Oryu Girls' Middle School, Seoul, Republic of Korea
- 2001 ● Teaching Assistant, Computers and Homepages
Nanum Study Room and Somang Day-Care Center, Seoul, Republic of Korea
- 2000 ● Teaching Assistant, Supporting Students with Physical Disabilities
Yonsei Rehabilitation School, Seoul, Republic of Korea
- 2000 ● Teaching Assistant, Supporting Students with Intellectual Disabilities
Jungae School for Students with Intellectual Disabilities and Emotional or Behavioral Disorders, Seoul, Republic of Korea



COLLEGE/DEPARTMENT/UNIVERSITY SERVICE

- Current | 2024 ● Illinois State University, Normal, IL
Department
 - Wheeler Scholarship Review Committee, 2026
 - Curriculum committee chair, 2025–2026
 - Faculty search committee, 2025–2026
 - Doctoral programs committee (two-year term), 2024–2026
 - Presented at the Future Teacher Conference session, 2024
- Current | 2024 ● Illinois State University, Normal, IL
College
 - College of Education Technology Committee, 2025
 - College of Education Research committee, 2024–2025
 - Faculty volunteer for the Back to School event for all education students, 2024
- Current | 2025 ● Illinois State University, Normal, IL
University
 - Illinois State University Digital Accessibility Committee, 2025-2026
- Current | 2025 ● Illinois State University, Normal, IL
Mentor
 - Doctoral checkpoint faculty, 2025-2026

- 2024
|
2020

 - West Texas A&M University, Canyon, TX
 - Department
 - Undergraduate special education program chair, 2023
 - Teacher educator standards committee, 2022–2023
 - Panhandle Alternative Certification for Educators Program development and revision, 2020, 2022–2023
 - Department of Education's scholarship committee & co-chair, 2021–2023
 - Undergraduate application faculty review Committee (Educator Preparation Program), 2021–2023
 - Graduate admissions committee, 2020–2023
 - Special education faculty search committee, 2021
 - Curriculum development committee, 2020

- 2024
|
2019

 - West Texas A&M University, Canyon, TX
 - College
 - Faculty volunteer for the University's Dia de los Muertos event, 2021–2022
 - Engaged in the dyslexia awareness month proclamation at City Hall, 2019–2021

- 2024
|
2019

 - West Texas A&M University, Canyon, TX
 - University
 - Planning committee for Distinguished Lecture Series, 2023
 - Committee and faculty liaison at the Center for Learning Disabilities, 2019–2023
 - Center for Learning Disabilities coordinator of research, 2020–2023
 - Faculty committee at Kilgore Research Center, 2020–2023
 - Student endowment scholarship committee, 2021–2023

- 2024
|
2020

 - West Texas A&M University, Canyon, TX
 - Advisor/Mentor/Thesis Committee
 - Academic advisor (Educational Diagnostician M.Ed. & Leadership in Curriculum and Instruction M.Ed. Special Education Program), 2020–2023
 - Advisor & monitor for Panhandle Alternative Certification for Educators Program (Special Education), 2021–2023
 - Faculty mentor for Attebury Honors Program, 2021–2022
 - Advising undergraduate students in the tips on TExES study & conference, 2020–2022

- 2019
|
2018

 - Jeonju University, Jeonju, Republic of Korea
 - Department
 - Problem-based learning team coordinator, 2019
 - Member of freshman commissioner, 2019
 - Service-learning project team coordinator, 2018–2019

- 2019

 - Jeonju University, Jeonju, Republic of Korea
 - College
 - Guest lecturer - prevention and duty to report abuse of people with disabilities, 2019

- 2019
|
2016

 - Jeonju University, Jeonju, Republic of Korea
 - University
 - Health EduSTAR planning and evaluation team manager, 2018
 - Health EduSTAR local Community Service Team Member, 2016–2017

2019
|
2016

- Jeonju University, Jeonju, Republic of Korea
Advisor/Mentor/Thesis Committee
 - Mentor of first-year college students from low socioeconomic status backgrounds, 2018–2019
 - Dissertation committee member (Minchul Song), 2018
 - Dissertation committee member (Seonok Kim), 2017
 - Thesis committee member (Geumju Han, Hyunjoo Shin), 2017
 - Advisor of Startup Club, 2017
 - Advisor of Study Club, 2016

TRAINING

- 2025 ● Penn GSE, University of Florida, and Digital Promise, Remote, USA
Data Science Methods for Digital Learning Platforms Certificate Program (August-December)
- 2025 ● The Adobe Higher Education Team, Chicago, IL, USA
Generation AI on Campus: From Classroom Learning to Career Success
- 2024 ● Center for Integrated Professional Development, Research and Sponsored Programs, Milner Library, Illinois State University, USA
New Faculty/Course Instructor Orientation
Preparing your Syllabi, Getting Started with Research, Equity in the College Classroom, Milner Library Orientation, Technology Orientation
- 2024 ● American Educational Research Association, Remote, USA
Artificial Intelligence Uses in Education Research
- 2024 ● Udemy, Remote, USA
AI Agents, MultiAgent AI Systems, crewAI , Agentic Automation
- 2023 ● Statistical Horizons, Remote, USA
Using Large Language Transformer Models for Research in R
- 2023 ● Korean Society for Educational Evaluation
Understanding and Analyzing the Process Data in PISA
- 2023 ● Statistical Horizons, Remote, USA
Extracting, Manipulating, and Analyzing Social Media Data Materials
- 2023 | 2022 ● Region 16 Education Service Center
Texas Instructional Leadership Training
- 2022 ● Institute for Research on Innovation and Science, Remote, USA
Joining the Data Revolution: Big Data in Education and Social Science Research
- 2022 ● What Works Clearinghouse, Institute of Education Sciences, Remote, USA
Single-Case Design Standards Training

- 2021 ● NAEP Research and Development, Institute of Education Sciences, Remote, USA
2021 EdSurvey Large-Scale Data Analysis Training Series
- 2021 ● Bigdata Learning Center, Remote, Republic of Korea
R for Text Analysis (Web Crawling)
Learning Machine Learning Algorithms and Modeling (Python)
Scraping for Data Analysis and Building My Own DB (Python)
- 2021 ● Statistical Horizons, Remote, USA
Text as Data
- 2021 ● West Texas A&M University, Remote, USA
Accessibility Training with Cascade Server
- 2021 ● The Center for Integrated Latent Variable Research, Remote, USA
Modern Longitudinal Data Analysis: Mixed Effects Models Using R
- 2021 ● ExitCertified (Tech Data), Remote, USA
Developing on AWS
- 2020 ● ExitCertified (Tech Data), Remote, USA
AWS Technical Essentials
- 2019 ● West Texas A&M University, USA
Field Supervisor Coaching Training for Advanced Certification Candidates

PRACTICUM AND STUDENT TEACHING

- 2008 ● Math and Reading Tutor
Metz Elementary School, Austin, Texas
- 2008 ● Tutor of HOSTS (Help One Student to Succeed) program
Zavala Elementary School, Austin, Texas
- 2005 ● English Teacher, General Education Class
Gwangjin Middle School, Seoul, Republic of Korea
- 2004 ● Special Education Teacher
Miral School for Students with Emotional or Behavioral Disorders, Seoul, Republic of Korea
- 2001 ● Violin Tutor, Supporting Students with Physical Disabilities
Yonsei Rehabilitation School, Seoul, Republic of Korea
- 2001 ● Teaching Assistant
Miral School for Students with Emotional or Behavioral Disorders, Seoul, Republic of Korea