JIAHUI WANG, PH.D.

Associate Professor
School of Teaching, Learning, and Curriculum Studies
Kent State University
Kent, OH 44240
jwang79@kent.edu

RESEARCH INTERESTS

Educational technology; STEM education; Individual differences; Artificial intelligence; Multimodal learning analytics

ACADEMIC APPOINTMENTS

2025 -	Associate Professor of Educational Technology, Kent State University
2018 - 2025	Assistant Professor of Educational Technology, Kent State University
2014 - 2018	Research Fellow, School of Teaching & Learning, University of Florida

EDUCATION

2018	Ph.D.	Curriculum & Instruction (Educational Technology), University of Florida Dissertation: Examining Influence of Instructor Presence in Instructional Videos: An Individual Differences Perspective (Advisor: Pasha Antonenko)
2013	M.Ed.	Curriculum & Instruction, University of Virginia
2012	B.Ed.	Mathematics Education, Ningbo University, China
2010-2011	Exchange Program	Mathematics & Mathematics Education, University of Wisconsin

HONORS AND AWARDS

2025	Journal of Research on Technology in Education Reviewer of the Year Finalist
2022	Kent State Faculty Excellence Award (research)
2014-2018	University of Florida Alumni Graduate Fellowship ($100,000)

2018 University of Florida College of Education Outstanding Graduate Research Award (One recipient each year)
2018 University of Florida College of Education Annual Research Symposium Best Poster Award
2018 American Educational Research Association (AERA) SIG Instructional Technology Best Paper Award
2017 National Science Foundation (NSF)-sponsored U.S. delegation to International Science of Learning Conference, Brisbane, Australia
2017 Association for Educational Communications & Technology (AECT) Three Minute Thesis Competition People's Choice Award
2017 Association for Educational Communications & Technology (AECT) Research & Theory Division Cyberlearning and Future Learning Technologies Early Career Symposium participant (Five recipients nationwide)
2017 Florida Statewide Graduate Research Symposium Outstanding Poster Presentation (1st place in education category)
2017 University of Florida Graduate Student Research Day Best Poster Award (1st place in non-STEM category, out of 200 posters university wide)
2017 University of Florida College of Education Annual Research Symposium Outstanding Research Paper (1st place)
2017 Florida Society of the Social Sciences 12th Annual Conference Outstanding Paper (1st place)
2017 University of Florida Dr. Jess Patten and Sharon Van Dame Elliott Scholarship Endowment (One recipient each year, $1,000)
2017 American Educational Research Association (AERA) Division C Graduate Student Seminar participant (Twenty recipients nationwide)
2017 American Educational Research Association (AERA) SIG Design & Technology Early Career Mentoring Program participant (Eight recipients nationwide)
2016 University of Florida Alec Courtelis Award (Three recipients each year, $1,500)
2016 University of Florida Outstanding Achievement Award (Five recipients each year)
2016 University of Florida College of Education Annual Research Symposium Best Paper Award

REFEREED JOURNAL PUBLICATIONS

1. **Wang, J**. & Tang, H. (2024). Effects of self-regulated learning prompts at three different phases in video-based learning. *Journal of Formative Design in Learning*.
2. Koh, D., Xu, Z., **Wang, J.**, Burgess, A. N., Seccia, A. M., Schneps, M., Pomplun, M., Lamb, R., Keil, A., Dawson, K., & Antonenko, P. (2024). Fixation disparity: A possible index of visuospatial cognition during authentic learning tasks. *Mind, Brain, and Education*.
3. **Wang, J.** (2023). Mind wandering in videos that integrate instructor's visuals: An eye-tracking study. *Innovations in Education and Teaching International*, 1-16.
4. **Wang, J.** (2023). Does working memory capacity influence learning from videos and attentional processing of the instructor's visuals? *Behaviour & Information Technology, 43*(1), 95-109.
5. **Wang, J.** (2023). Predictors of flow experience and knowledge acquisition in a STEM game. *International Journal of Serious Games, 10*(3), 67-82.

6. Gandolfi, E., Ferdig, R. E., **Wang, J.**, Morris, G., Copus, A., & Shihab, S. R. (2023). Online gaming as a double-edged sword: An Analysis of game community receptiveness, in-game vitality, and player well-being. *Education and Information Technologies,* 1-31.
7. **Wang, J.**, Stebbins, A., & Ferdig, R. E. (2022). Examining the effects of students' self-efficacy and prior knowledge on learning and visual behavior in a physics game. *Computers & Education, 178,* 104405.
8. **Wang, J.** (2022). Leveraging eye tracking technology to improve teacher education. *Journal of Technology and Teacher Education, 30*(2), 253-264.
9. **Wang, J.** (2021). Use Hopscotch to develop positive attitudes toward programming for elementary school students. *International Journal of Computer Science Education in Schools, 5*(1), 48-58.
10. Dawson, K., Zhu, J., Ritzhaupt, A., Antonenko, P., Saunders, K., **Wang, J.**, & Lombardino, L. (2021). The influence of the multimedia and modality principles on the learning outcomes, satisfaction, and mental effort of college students with and without dyslexia. *Annals of Dyslexia, 71*(1), 188-210.
11. Valle, N., Antonenko, P., **Wang, J.**, & Luo, W. (2020). Effects of anticipation guide use on visual attention distribution in a multimedia environment: An eye tracking study. *Excellence in Education Journal, 9*(3), 5-25.
12. **Wang, J.**, Antonenko, P., & Dawson, K. (2020). Does visual attention to the instructor in online video affect learning and learner perceptions? An eye-tracking analysis. *Computers & Education, 146,* 103779.
13. **Wang, J.**, Antonenko, P., Keil, A., & Dawson, K. (2020). Converging subjective and psychophysiological measures of cognitive load to study the effects of instructor-present video. *Mind, Brain, and Education, 14*(3), 279-291.
14. **Wang, J.**, Antonenko, P., Celepkolu, M., Jimenez, Y., Fieldman, E., & Fieldman, A. (2019). Exploring relationships between eye tracking and traditional usability testing data. *International Journal of Human-Computer Interaction, 35*(6), 483-494.
15. Li, J., Antonenko, P., & **Wang, J.** (2019). Trends and issues in multimedia learning research in 1996-2016: A bibliometric analysis. *Educational Research Review, 28*, 1-21.
16. Antonenko, P. D., Davis, R., **Wang, J.**, & Celepkolu, M. (2019). On the same wavelength: Exploring team neurosynchrony in undergraduate dyads solving a cyberlearning problem with collaborative scripts. *Mind, Brain, and Education*, *13*(1), 4-13.
17. Schneps, M. H., Chen, C., Pomplun, M., **Wang, J.**, Crosby, A. D., & Kent, K. (2019). Pushing the speed of assistive technologies for reading. *Mind, Brain, and Education*, *13*(1), 14-29.
18. **Wang, J.**, Dawson, K., Saunders, K., Ritzhaupt, A., Antonenko, P., Lombardino, L., Keil, A., Dogan, N., Luo, W., Cheng, L., & Davis, R. O. (2018). Investigating the effects of modality and multimedia on the learning performance of college students with dyslexia. *Journal of Special Education Technology, 33*(3), 182-193.
19. **Wang, J.** & Apraiz, K. (2018). Examining community-based mentoring experience for pre-service teachers: Positive outcomes and challenges. *Excellence in Education Journal*, *7*(1), 38-60.
20. Ritzhaupt, A., Pastore, R., **Wang, J.**, & Davis, R. O. (2018). Effects of organizational pictures and modality as a feedback strategy on learner comprehension and satisfaction. *Educational Technology Research and Development*, *66*(5), 1069-1086.
21. **Wang, J.** & Antonenko, P. (2017). Instructor presence in instructional video: Effects on visual attention, recall, and perceived learning. *Computers in Human Behavior, 71,* 79-89.

22. **Wang, J.**, Schneps, M., Antonenko, P., Chen, C., & Pomplun, M. (2016). Is reading impairment associated with enhanced holistic processing in comparative visual search? *Dyslexia, 22,* 345-361.
23. **Wang, J.** (2016). Review of the book - Big data: A revolution that will transform how we live, work, and think. *Excellence in Education Journal, 5*(1), 75-82.

BOOK CHAPTERS

Antonenko, P. D., Dawson, K., Cheng, L., & **Wang, J.** (2020). Using technology to address individual differences in learning. In M. J. Bishop, E. Boling, J. Elen, & V. Svihla (Eds.), *Handbook of Research in Educational Communications and Technology: Learning Design* (pp. 99–114). Springer International Publishing.

PUBLISHED ABSTRACTS

1. **Wang, J.**, Antonenko, P., Fieldman, E., & Fieldman, A. (2018). Instructor presence, working memory capacity and learning from instructional video. *Journal of Vision, 18*(10), 1127.
2. **Wang, J.**, Antonenko, P., & Fieldman, E. (2017). Instructor presence, visual attention, and learning in educational video: Content difficulty matters. *Journal of Vision, 17*(10), 891.
3. Valle, N., **Wang, J**., Antonenko, P., Luo, W., & Rushing, R. (2017). Visual attention and learning from multimedia with and without an anticipation guide. *Journal of Vision*, *17(*10), 889.
4. **Wang, J.**, Schneps, M., Antonenko, P., Pomplun, M., & Dawson, K. (2016). Do dyslexic learners benefit from holistic processing in a comparative visual search task? *Journal of Vision*, *16*(12), 1295.
5. Schneps, M., Chen, C., Pomplun, M., **Wang, J.**, Crosby, A., & Kent, K. (2016). Re-inventing reading: Rapid multi-channel processing of language accelerates reading. *Journal of Vision, 16*(12), 462.

CONFERENCE PRESENTATIONS

1. **Wang, J & Li, C**. (2025, October). *Effects of pencasts in online videos.* Paper accepted at the 2025 Conference of Association for Educational Communications and Technology, Las Vegas, NV.
2. **Wang, J**. (2025, October). *What contributes to engagement in online learning.* Paper accepted at the 2025 Conference of Association for Educational Communications and Technology, Las Vegas, NV.
3. **Wang, J.** & Tang, H. (2024, April). *Effects of self-regulated learning prompts at three different phases in video-based learning.* Paper presented at the 2024 Conference of American Educational Research Association, Philadelphia, PA.
4. **Wang, J**. (2022, October). *Predictors of flow experience and learning in an educational game.* Paper presented at the 2022 Conference of Association for Educational Communications and Technology International Convention, Las Vegas, NV.
5. **Wang, J.** (2022, October). *Use Hopscotch to develop positive attitudes toward programming for elementary school students.* Paper presented at the 2022 Conference of Association for Educational Communications and Technology International Convention, Las Vegas, NV.

6. **Wang, J**., Stebbins, A., & Ferdig, R. (2022, April). *Influences of self-efficacy and prior knowledge on visual behavior and learning in a physics* game. Paper presented at the 2022 Conference of American Educational Research Association, San Diego, CA.
7. **Wang, J.** (2021, April). *Mind wandering in educational video: An eye-tracking investigation.* Paper presented at the 2021 Virtual Conference of American Educational Research Association.
8. **Wang, J.** (2021, April). *Does working memory capacity influence learning from videos and attentional processing of the instructor's visuals?* Paper presented at the 2021 Virtual Conference of American Educational Research Association.
9. Zhu, J., Dawson, K., Ritzhaupt, A., Antonenko, P., Saunders, K., **Wang, J.**, & Lombardino, L. (2021, April). *The influence of the multimedia learning on college students with and without dyslexia*. Paper presented at the 2021 Virtual Conference of American Educational Research Association.
10. Li., J, Antonenko, P., **Wang, J.** (2020, April). *Trends and issues in multimedia learning research in 1996–2016: A bibliometric analysis.* Paper presented at the 2020 Virtual Conference of American Educational Research Association.
11. Zhu, J., Dawson, K., Ritzhaupt, A., Antonenko, P., **Wang, J.**, Dogan, N. (2020, April). *Evaluating the multimedia and modality principles on college students including eye-tracking data*. Paper presented at the 2020 Virtual Conference of American Educational Research Association.
12. Zhu, J., Dawson, K., Ritzhaupt, A., Antonenko, P., **Wang, J.** (2019, November). *Evaluating the multimedia and modality principles including eye-tracking data.* Paper presented at the 2019 Conference of Florida Educational Research Association, St Petersburg, FL.
13. **Wang, J**., Antonenko, P., Dawson, K. (2019, October). *Learning from video lectures: Working memory capacity and inhibitory control matter.* Paper presented at the 2019 Association for Educational Communications and Technology International Convention, Las Vegas, NV.
14. **Wang, J**. & Burris, A. (2019, October). *Mind wandering in video lecture: Individual differences and effects on learning.* Paper presented at the 2019 Association for Educational Communications and Technology International Convention, Las Vegas, NV.
15. Koh, D., Antonenko, P., Schneps, M., Pomplun, M., **Wang, J.**, Dawson, K., Xu, Z., Cheng, L., Li, J. (2019, October). *Examining visual attention and learning in organic chemistry task using 2D and 3D molecule models.* Paper presented at the 2019 Association for Educational Communications and Technology International Convention, Las Vegas, NV.
16. **Wang, J.**, Antonenko, P., Dawson, K., Beal, C., Keil, A., Schneps, M. (2019, April). *Exploring the influence of integrating an instructor in online video - An eye tracking study.* Paper presented at the 2019 Conference of American Educational Research Association, Toronto, Ontario, Canada.
17. **Wang, J.**, Antonenko, P., Keil, A., Dawson, K., Beal, C., Schneps, M. (2019, April). *Investigating cognitive dynamics in videos with and without instructor presence.* Paper presented at the 2019 Conference of American Educational Research Association, Toronto, Ontario, Canada.
18. **Wang, J**. (2019, April). *Influence of showing instructor in online video lectures: A systematic review.* Paper presented at the 2019 Conference of American Educational Research Association, Toronto, Ontario, Canada.
19. **Wang, J.**, Antonenko, P., Fieldman, E., Fieldman, A. (2018, May). *Instructor presence, working memory capacity and learning from instructional video.* Presented at the 2018 Vision Science Society Conference, St Pete's Beach, FL.

20. **Wang, J.**, Antonenko, P., Fieldman, E., Fieldman, A. (2018, April). *Instructor presence, working memory capacity and learning from instructional video.* Poster presented at 2018 College of Education Research Symposium, Gainesville, FL. **Awarded Best Poster.**
21. **Wang, J.**, Antonenko, P., Celepkolu, M., Jimenez, Y., Fieldman, E., Fieldman, A. (2018, April). *Exploring Algebra Nation's usability: Augmenting traditional usability testing methods with eye movement analysis.* Paper presented at the 2018 Conference of American Educational Research Association, New York, NY.
22. **Wang, J.**, Dawson, K., Saunders, K., Ritzhaupt, A., Antonenko, P., Lombardino, L., Keil, A., Dogan, N., Luo, W., Cheng, L., Davis, R. O. (2018, April). *Examining the effects of modality and multimedia on the learning performance of dyslexic students.* Paper presented at the 2018 Conference of American Educational Research Association, New York, NY.
23. **Wang, J.**, Antonenko, P., Keil, A., Dawson, K. (2018, April). *Cognitive dynamics and retention performance in multimedia learning*. Paper presented at the 2018 Conference of American Educational Research Association, New York, NY.
24. **Wang, J.** (2018, April). *Supporting computational thinking via blocked-based programming environment for elementary school students*. Paper presented at the 2018 Conference of American Educational Research Association, New York, NY.
25. Antonenko, P., Schneps, M., Lamb, R., Keil, A., Pomplun, M., Beal, C., Dawson, K., Koh, D., H., Saunders, K., Miller, S. **Wang, J.**, Burgess, A., Cheng, L., Xu, Z., Li, J., Hardy-Pieczarka, K., Okundaye, A. O., Calhoun, C., Stieglitz, K., & (2018, April). *Cognitive predictors of 2D and 3D molecular model comparison in an authentic organic chemistry task*. Paper presented at the 2018 Conference of the American Educational Research Association, New York, NY.
26. Antonenko, P., Schneps, M., Lamb, R., Keil, A., Pomplun, M., Dawson, K., Koh, D., H., Saunders, K., **Wang, J.**, Burgess, A., Cheng, L., Xu, Z., Li, J., Hardy-Pieczarka, K., Okundaye, A. O., Calhoun, C., Stieglitz, K., & Miller, S. (2018, April). *Sex differences in mental rotation performance using 2D and 3D molecular representations.* Paper presented at the 2018 Conference of the American Educational Research Association, New York, NY. **AERA 2018 SIG Instructional Technology Best Paper Award.**
27. **Wang, J.** & Antonenko, P. (2017, November). *Examining the influence of instructor presence in online videos: An individual differences perspective.* Paper presented at the 2017 Conference of Florida Educational Research Association, Cocoa Beach, FL.
28. Valle, N., **Wang, J.**, Antonenko, P., Luo, W. (2017, November). *The influence of an anticipation guide on visual attention distribution and learning in an online professional development environment.* Paper presented at the 2017 Conference of Florida Educational Research Association, Cocoa Beach, FL.
29. Dawson, K., Antonenko, P., **Wang, J.,** Ritzhaupt, A., Cheng, L., Luo, W., Dogan, N. (2017, November). *Multimedia learning and dyslexia: Learning processes, learning outcomes and individual differences.* Paper presented at the 2017 Conference of the Association for Educational Communications & Technology, Jacksonville, FL.
30. **Wang, J.**, Antonenko, P., Fieldman, E. (2017, September). *Instructor presence, visual attention, and learning in educational video: Content difficulty matters.* Poster presented at the 2017 International Science of Learning Conference, Brisbane, Australia.
31. Antonenko, P., Davis, R., **Wang, J.**, Celepkolu, M. (2017, September). *On the same wavelength: Exploring individual and team neurodynamics using event-related*

desynchronization of alpha. Paper presented in the symposium Advances in Measurement Technology at the 2017 International Science of Learning Conference, Brisbane, Australia.

32. Lombardino, L Saunders, K., **Wang, J.**, Dawson, K., Antonenko, P., Ritzhaupt, A. (2017, July). *Cognitive abilities in predicting word recognition and in aiding academic performance in college students with dyslexia.* Poster presented at 24th Annual Society for the Scientific Study of Reading Meeting, Halifax, Nova Scotia, Canada.
33. **Wang, J.**, Antonenko, P., Fieldman, E. (2017, May). *Instructor presence, visual attention, and learning in educational video: Content difficulty matters.* Poster presented at 2017 Vision Science Society, St. Pete Beach, FL.
34. Valle, N., **Wang, J**., Antonenko, P., Luo, W., Rushing, R. (2017, May). *Visual attention and learning from multimedia with and without an anticipation guide.* Poster Presented at 2017 Vision Science Society, St. Pete Beach, FL.
35. **Wang, J.,** Dawson, K., Antonenko, P., Saunders, K., Lombardino, L., Ritzhaupt, A., Dogan, N., Cheng, L., Luo, W., Davis, R. O., Beal, C., Keil, A. (2017, April). *Converging behavioral and psychophysiological measures: Evaluating the effectiveness of multimedia learning conditions with dyslexic learners.* Paper presented at 2017 American Educational Research Association, San Antonio, TX.
36. **Wang, J.**, Antonenko, P., Celepkolu, M., Jimenez, Y. (2017, April). *Instructor presence in mathematics instructional videos: Effects on learning, visual attention, and perceptions.* Paper presented at 2017 American Educational Research Association, San Antonio, TX.
37. Antonenko, P., Davis, R. O., Celepkolu, M., **Wang, J.**, Ruzycki, N., Davis, C. (2017, April). Using alpha event related desynchronization to explore individual and team neurodynamics. Paper presented at 2017 American Educational Research Association, San Antonio, TX.
38. Ritzhaupt, A., Pastore, R., Davis, R. O., **Wang, J.** (2017, April). Effects of organizational pictures and modality as a feedback strategy on learner comprehension and satisfaction. Paper presented at 2017 American Educational Research Association, San Antonio, TX.
39. **Wang, J.** (2017, April). *Instructor presence, visual attention, and learning in educational video: Content difficulty matters.* Poster presented at 2017 Florida Graduate Research Symposium (invited), Tampa, FL. **Awarded Outstanding Poster Presentation (1st place in education category).**
40. **Wang, J.** (2017, April). *Use Hopscotch to develop computational thinking in elementary school: A case study.* Paper presented at Florida Society of Social Sciences 12th Annual Conference of the Social Sciences, Gainesville, FL. **Awarded Outstanding Paper (1st place).**
41. **Wang, J.** (2017, April). *Instructor presence in mathematics instructional videos: Effects on learning, visual attention, and perceptions.* Poster presented at the 2017 Graduate Student Research Day, Gainesville, FL. **Awarded Best Poster (1st place in non-STEM category).**
42. **Wang, J.** (2017, March). *Instructor presence in instructional video: Influence on learning, visual attention and affect.* Paper presented at 2017 College of Education Research Symposium, Gainesville, FL. **Awarded Outstanding Research Paper (1st place).**
43. Valle, N., **Wang, J.**, Antonenko, P., Luo, W., Rushing, R. (2017, March). *Anticipation guides, learning, and visual attention in a multimedia environment for professional development.* Poster presented at 2017 College of Education Research Symposium, Gainesville, FL.
44. **Wang, J.** (2016, November). *Exploring students' perceptions of learning with iPad apps: Experience and attitudes.* Paper presented at 2016 Florida Educational Research Association, Lakeland, FL.

45. **Wang, J.**, Antonenko, P. (2016, November). *How instructor presence affects learning from video: An eye tracking study.* Poster presented at 2016 Florida Educational Research Association, Lakeland, FL.
46. **Wang, J.** (2016, October). *Exploring the use of little story creator app for developing elementary school students' digital literacy.* Paper presented at 2016 Association for Educational Communications & Technology, Las Vegas, NV.
47. Ritzhaupt, A. D., Beal, C., Davis, R. O., Cheng, L., **Wang, J.** (2016, October). *Multimedia and modality principles as a feedback strategy in multimedia learning environments: An eye tracking study.* Paper presented at 2016 Association for Educational Communications & Technology, Las Vegas, NV.
48. **Wang, J.**, Schneps, M., Antonenko, P., Pomplun, M., Dawson, K. (2016, May). *Do dyslexic learners benefit from holistic processing in a comparative visual search task?* Poster presented at 2016 Vision Science Society, St. Pete Beach, FL.
49. Schneps, M., Chen, C., Pomplun, M., **Wang, J.**, Crosby, A., Kent, K. (2016, May). *Re-inventing reading: Rapid multi-channel processing of language accelerates reading.* Poster presented at 2016 Vision Science Society, St. Pete Beach, FL.
50. **Wang, J.**, Schneps, M., Antonenko, P., Pomplun, M. (2016, April). *Measuring cognitive load in multiplication: An eye-tracking study.* Paper presented at 2016 American Educational Research Association, Washington DC.
51. Antonenko, P., Davis, R. O., Celepkolu, M., **Wang, J.**, Davis, C., Ruzycki, N. (2016, April). *Converging learning performance and neuroimaging measures to examine team function during collaborative problem solving.* Paper presented at 2016 National Association for Research in Science Teaching, Baltimore, MD.
52. **Wang, J.** (2016, March). *Case study of "opening online degree program" promotes understanding of theories in educational research.* Paper presented at Florida Society of Social Sciences 11th Annual Conference of the Social Sciences, Gainesville, FL.
53. **Wang, J.** (2016, March). *An eye tracking comparison of two methods for multi-digit multiplication.* Paper presented at the 2016 College of Education Research Symposium, Gainesville, FL. **Awarded Best Paper.**
54. **Wang, J.** & Apraiz, K. (2015, September). *Positive outcomes and challenges: Examining the after-school community-based mentoring experience for 1st-year pre-service teachers.* Paper presented at 2015 Florida Association of Teacher Educators, Gainesville, FL.

TEACHING

University Level

Instructor 2022-Present
Kent State University Kent, OH
Designed, developed, and taught *ETEC 77491 Seminar: Educational Technology*, which focuses on understanding various educational research paradigms and methods and developing a research proposal

Instructor 2020-Present
Kent State University Kent, OH

Designed, developed, and taught *ETEC 4/57427 Technology and Learning*, which focuses on the major theoretical perspectives and frameworks that have influenced the research and practice of learning and teaching with technology

Instructor 2020-Present
Kent State University Kent, OH

Designed, developed, and taught *ETEC 6/77425 Managing Technological Change*, which focuses on learning how to effect technological change in organizations, with special emphasis on organizations involved in education, training, and performance improvement

Instructor 2020-Present
Kent State University Kent, OH
Designed, developed, and taught *ETEC 39525 Educational Technology*, which focuses on developing knowledge and skills in designing, implementing, and assessing learning experiences, using various learning technologies and resources to support teaching, learning, and research in K-12 classrooms

Instructor 2019-Present
Kent State University Kent, OH

Designed, developed, and taught *ETEC 6/77442 Designing Online and Blended Courses*, which focuses on the applications of instructional design principles to designing online or blended courses

Instructor 2018-Present
Kent State University Kent, OH

Designed, developed, and taught *ETEC 6/77420 Research Issues in ETEC*, which explores significant issues in the field of educational technology, including the latest research into how technology can most effectively facilitate learning

Instructor 2018-Present
Kent State University Kent, OH

Designed, developed, and taught *ETEC 6/77449 Research in Online and Blended Learning*, which examines current research and future directions in online and blended teaching and learning

Teaching Assistant Spring, 2018
University of Florida Gainesville, FL

Assisted in teaching *Human Computer Interaction and the Learner,* which focused on the interface design and usability testing of various educational technologies

Co-Instructor Fall, 2017

University of Florida Gainesville, FL

Collaboratively designed, developed, and taught *Foundations of Educational Technology,* which focuses on the foundations, history, perspectives, trends in the field of educational technology

Instructor Fall, 2016
University of Florida Gainesville, FL

Designed, developed, and taught *Integrating Technology into the Elementary Curriculum,* which focuses on developing the knowledge needed to successfully utilize technology in the elementary curriculum to maximize learning

Teaching Assistant Fall, 2015
University of Florida Gainesville, FL

Assisted in teaching *Design Integrated Media Environment*, which focuses on the principles, methods, and tools for the design and development of educational technologies

Teaching Assistant 2014-2015
University of Florida Gainesville, FL

Assisted in elementary mathematics teaching practicum for *Mathematics Content and Methods for Teaching Mathematics in the Inclusive Elementary Classroom*, which focuses on content and methods necessary to effectively teach content in elementary mathematics, among students enrolled in the *Unified Elementary ProTeach program*

Teaching Assistant Summer, 2013
University of Virginia Charlottesville, VA

Assisted in teaching undergraduate-level Chinese in Summer Language Institute

Academic Tutor Spring, 2013
University of Virginia Charlottesville, VA

Provided individual and small group tutoring sessions for Reserve Officer Training Corps (ROTC) members in learning Chinese

Academic Tutor Spring, 2011
University of Wisconsin Oshkosh, WI

Worked at Center for Academic Resources, providing weekly one-to-one mathematics tutoring in College Algebra and Geometry

K-12 Level

Instructor 2016
Hua-Gen Chinese School Gainesville, FL

Designed, developed, and taught computer science lessons which helped elementary school-age students learn basic programming concepts and develop computational thinking skills

Lead Instructor 2013 - 2014
Mathnasium Fairfax, VA

Provided K-12 students with customized mathematics tutoring based on their ability and skill levels

Instructor 2013 - 2014
Huntington Learning Center Fairfax, VA

Tutored high school students which focused on the mathematics curriculum

Instructor 2013 - 2014
Fairhill Elementary School Fairfax, VA

Designed, developed, and taught Chinese curriculum for the Foreign Language in Elementary School (FLES) program and developed Chinese enrichment activities for K-6 students using innovative learning technologies

Instructor 2013 - 2014
Luther Jackson Middle School Falls Church, VA

Designed, developed, and taught Level One Chinese courses, evaluated student progress, and developed specialized testing materials

Instructor 2013 - 2014
EdGenuity Falls Church, VA

Designed, developed, and taught lessons which focused on learning Chinese among high school students

Assistant Instructor 2013
University of Virginia Saturday Enrichment Program Charlottesville, VA

Provided instructional support for 5-week enrichment course for gifted students in grades 4-5

Instructor 2013
Charlottesville Chinese School Charlottesville, VA

Designed, developed, and taught lessons for students aged 6-12 focusing on the Chinese curriculum

Instructor 2012-2013
Speak! Language Center Charlottesville, VA

Designed, developed, and taught Chinese enrichment lessons and a 5-day Mandarin Summer Camp for students aged 4-10

Intern 2011
Maiyuqiao Elementary School Zhejiang, China

Completed 120+days of teaching experience in a 4th-grade elementary classroom, team teaching with an in-service mathematics teacher

Instructor 2011
Power Language Training School Zhejiang, China

Provided differentiated instruction according to student ability and skill level focusing on TOEFL preparation

LICENSES & CERTIFICATES

Virginia Professional Teaching License for Mathematics
Virginia Professional Teaching License for Chinese PreK-12
University of Florida Instructional Design Certificate
SPSS and SamplePower 3 Series Certificate

ADVISING

Chair, Ph.D. in Curriculum & Instruction (Educational Technology Concentration)

- Lama Ababtain (2023- current)
- Olivia Jeonghwa Oh (2020-2023, graduated with Ed.S. in Curriculum & Instruction)

Co-Chair, Ph.D. in Curriculum & Instruction (Educational Technology Concentration)

- Sima Ahmadi (2024-current)
- Donna VanRooy (2021-current)
- Clement Audu (2020-current)
- Sara Fuller (2020-2023)
- Megan Brannon (2019-2021)
- Tracy Dodson (completed) - Title: Examining the impact of expert modeling videos on nursing students' simulation competency
- Kathleen Giannamore (completed) - Title: Aligning the necessary competencies for training and evaluating online teachers in higher education with Chickering and Gamson's seven principles for effective undergraduate teaching: A Q-methodology study

Committee Member, Ph.D. in Curriculum & Instruction

- Megan Alicea (completed) - Title: Exploring a novel communication protocol to build respiratory therapy students' knowledge sharing self-efficacy: A mixed methods study

- Laurie Robinson (2023-current)

Chair, Ed.D. in Interprofessional Leadership (Educational Technology Concentration)

- Nicole Yoder (completed) - Title: Exploring faculty perceptions of collaborating with an instructional designer during asynchronous online course development
- Zoe Wrisley (2023-current)
- Addie Mathey (2021-current)
- Emilee Richeson (2021-current)

Co-Chair, Ed.D. in Interprofessional Leadership (Educational Technology Concentration)

- Rachel Clingman (2025-current)
- Amanda Kelley-Hurm (2023-current)
- Didy 'Elodie' Rusera (2023-current)
- John Burkey (2023-current)
- Crystal Kouns (2023-current)
- Jason Boergerhoff (2022-current)
- Roy Greenlee (2021-current)
- Anna Dempsey (2021-current)
- Cassandra Konen-Burler (2020-current)

Committee Member, Ed.D. in Interprofessional Leadership (Educational Technology Concentration)

- Peggy Coyne (2025-present)
- Ya Li (completed) - Title: An investigation of the effect of project-based learning in physics with the use of virtual lab technology on grade 9 students' performance
- Lauren Priestley (completed) - Title: Evaluation of an online professional learning experience: An exploration of teacher perceptions

Graduate Faculty Representative, Ed.D. in Interprofessional Leadership (Educational Technology Concentration)

- Karen Schwartz (completed) - Title: What matters? A case study of youth and mentors at Big Brothers Big Sisters

GRANTS

Research Grants:

Principal Investigator, CAREER: Enhancing Learning and Engagement via Self-Regulation in STEM Videos. National Science Foundation, Science of Learning and Augmented Intelligence, $579,142 (Under Review)

Principal Investigator, Debugging Block-Based Programs: An Eye-Tracking Examination of Successful and Unsuccessful Attempts, University Research Council Summer Research Appointment Award, Kent State University, 2024, $10,000. (Funded)

Principal Investigator, Effects of Pencasts in Online Videos, University Research Council Summer Research Appointment Award, Kent State University, 2022, $10,000. (Funded)

Principal Investigator, Learning and Mind Wandering in Online Video: Effects of Video Segmentation and the Role of Self-Regulatory Processes, Kent State University EHHS SEED award, 2021-2023, $5,000. (Funded)

Principal Investigator, Where Is Your Mind At? Mind Wandering in Online Video, University Research Council Summer Research Appointment Award, Kent State University, 2020, $10,000. (Funded)

Principal Investigator, Project EDGE: Effective Designs of Games in Education, Kent State University EHHS SEED award, 2019-2021, $5,000. (Funded)

Principal Investigator, Examining Influence of Instructor Presence in Instructional Videos, Study Edge, 2018, $600. (Funded)

Principal Investigator, CAREER: Enhancing Learning and Engagement via Self-Regulation in STEM Videos. National Science Foundation, Science of Learning and Augmented Intelligence, $567,995.13 (Not funded)

Principal Investigator, Interpersonal and Social Benefits of Synchronous Tutoring in VR. Facebook Research, $75,000 (Not funded)

Principal Investigator, Investigating Attentional and Affective Dynamics in Learning from Online Video, Spencer Foundation Small Research Grant, $49,548 (Not funded)

Principal Investigator, Investigating Effective Note-Taking Processes in Online Video-Based Environment, Farris Family Innovation Fellowship, $24,000 (Not funded)

Co-Principal Investigator, Collaborative Research: BitE2: Promoting Equity in Higher Education Using Blockchain.National Science Foundation, Cyberlearning and Future Learning Technologies, $412,742 (Not funded)

Co-Principal Investigator, Project GLAD: Geosciences Learning and Dyslexia*,* National Science Foundation, EHR Core Research, $1,483,204 (Not funded)

Co-Principal Investigator, Haptic-Mixed Reality (HMR) Needle Insertion Simulation for Hand-Eye Skills, National Science Foundation, Cyberlearning for Work at the Human-Technology Frontier, $749,968 (Not funded)

Key Personnel, New Virtual Reality Technology to Enhance Rural Students' Algebraic Knowledge and Skills. Institute of Education Sciences, $1,250,000 (Not funded)

Travel Grants:

2024	$1000	Kent State University, University Research Council, Travel Award
2022	$750	Kent State University, University Research Council, Travel Award
2019	$750	Kent State University, University Research Council, Travel Award
2018	$750	Kent State University, University Research Council, Travel Award
2017	$169	University of Florida Office of Research Doctoral Student Travel Grant
2017	$165	University of Florida School of Teaching and Learning Travel Grant
2017	$350	University of Florida Graduate School Council Travel Grant
2017	$175	University of Florida School of Teaching and Learning Travel Grant
2017	$200	American Educational Research Association Division C Graduate Student Seminar Travel Grant
2017	$300	University of Florida Office of Research Doctoral Student Travel Grant
2017	$350	University of Florida Graduate School Council Travel Grant
2017	$400	Irving and Rose Fien Doctoral Student Travel Grant
2017	$300	University of Florida School of Teaching and Learning Travel Grant
2016	$550	Irving and Rose Fien Doctoral Student Travel Grant
2016	$300	University of Florida School of Teaching and Learning Travel Grant
2015	$300	University of Florida School of Teaching and Learning Travel Grant
2015	$2,500	University of Florida College of Education IDC Research Travel Grant

PROFESSIONAL SERVICES

Editorial Board
Journal of Research on Technology in Education

Ad Hoc Reviewer

British Journal of Educational Technology
Dyslexia
Computers & Education
Computers & Education Open
Computers in Human Behavior
Contemporary Issues in Technology and Teacher Education
E-Learning and Digital Media
Educational Technology Research and Development
International Journal of Serious Games
Journal of Computer Assisted Learning
Journal of Educational Computing Research
Journal of Educational Technology Development and Exchange
Journal of Media Psychology
Journal of Online Learning Research
Journal of Research on Technology in Education
Journal of Science Education and Technology
TechTrends

Conference Reviewer
American Educational Research Association

Association for Educational Communications & Technology
Association for Computing Machinery (ACM)
Florida Educational Research Association

Grant/Award Reviewer
Graduate Student Council Travel Grant, University of Florida, 2014 - 2018
Culture, Learning and Technology Division Awards, Association for Educational Communications & Technology, 2017
Graduate Student Council Outstanding Student/Staff/Faculty Award, University of Florida, 2017
Doctoral Dissertation Advisor/Mentoring Award, College of Education, University of Florida, 2016

Invited Talks
Leveraging Eye-Tracking Methodology in Educational Technology Research, University of Illinois at Urbana-Champaign, 2022

Educational Neuroscience and Technology-Enhanced Learning, University of Delaware, 2019

Applications of Eye Tracking Methodology in Educational Research, University of Florida, 2018

Using Neuroscience Tools to Investigate Multimedia Learning, University of Florida, 2017

Balancing Work, Life, and Academia, Association for Educational Communications & Technology, 2017

Getting the Most Out of Your Conference Experience: Navigating AERA and Other Educational Meetings, University of Florida, 2017

Professional Organization Service

NSF review panel in Spring 2025

Program Chair-Elect, AERA SIG Computer and Internet Applications in Education (CIAE), 2025-2026

Co-chair, AERA Division C Section 3b: Technology-Based Environments, 2024-2025
Secretary/Treasurer, AERA SIG Instructional Technology (IT), 2024-2025

Secretary/Treasurer, AERA SIG Computer and Internet Applications in Education (CIAE), 2023-2025

Paper session chair, *Trends and Challenges of Artificial Intelligence in Education*, American Educational Research Association, 2024

Roundtable session chair, *Data Analytics and Research Methodologies*, American Educational Research Association, 2019

Paper session chair, *Games and Learning,* American Educational Research Association, 2018

International Division representative to Association for Educational Communications & Technology Graduate Student Assembly, 2017 - 2018

Paper session moderator, Florida Society of the Social Sciences Annual Conference, 2017

Graduate student volunteer (registration & technology & facilitation), Florida Educational Research Association, 2016, 2017

UNIVERSITY SERVICES & LEADERSHIP

TLC Faculty Advisory Committee (FAC) 2025 - Present
Kent State University *Kent*, OH

College Advisory Committee (CAC) 2025 - Present
College of Education, Health and Human Services *Kent*, OH
Kent State University

Reappointment, Tenure, and Promotion (RTP) Committee 2025 - Present
College of Education, Health and Human Services *Kent*, OH
Kent State University

Program Coordinator 2025 - Present
Kent State University *Kent*, OH
Educational Technology Program

Scholarship Reviewer 2025
Kent State University *Kent*, OH
College of Education, Health and Human Services

Judge 2024
Kent State University *Kent*, OH
Undergraduate Symposium on Research, Scholarship and Creative Activity

Graduate College Award Review Committee 2023 - 2024
Kent State University *Kent*, OH

College of EHHS Diversity Committee 2023 - 2025
Kent State University *Kent,* OH

TLC Curriculum Committee 2019 - 2023
Kent State University *Kent,* OH

International Affairs Chair 2017 - 2018
University of Florida Graduate Student Council *Gainesville,* FL

Presidential Inauguration Campus Showcase College Representative December 2015
University of Florida *Gainesville,* FL

Practicum Coordinator 2014 - 2015
University of Florida *Gainesville,* FL

COMMUNITY INVOLVEMENT/OUTREACH

Usability Evaluator 2016
Algebra Nation *Gainesville,* FL

Worked with a local educational service company (Study Edge) and examined their product Algebra Nation, which is an online community for learning mathematics that is used by 1.5 million students in six states

Alachua County Public School - Science Fair Judge 2016
Oak View Middle School *Gainesville,* FL

Judged science fair projects from middle school students in the areas of engineering, computer science, mathematics, energy, and transportation

VEX IQ Tournament - Judge 2016
Lincoln Middle School *Gainesville,* FL
Evaluated the engineering notebooks and conducted interviews and discussions with teams, to determine the design award recipients

PROFESSIONAL AFFLIATIONS

American Educational Research Association (AERA)
Association for Educational Communication & Technology (AECT)

MEDIA COVERAGE

Carleton College Academic Technology. July 2, 2018. "Facing Instructional Videos." https://vimeo.com/academictechnology/facinginstructionalvideos.

Florida Edugator (Vol. 10, No. 5). June 12, 2017. "April showers research laurels on Ed Tech PhD research fellows." https://education.ufl.edu/etc/2017/05/24/april-showers-research-laurels-on-ed-tech-phd-students/.

University of Florida, Graduate School News, April 25, 2017. "UF Students Compete in 2017 Statewide Graduate Student Research Symposium." http://graduateschool.ufl.edu/news/uf-students-compete-in-2017-statewide-graduate-student-research-symposium.html.

University of Florida, College of Education News, April 21, 2017. "Doc student Jiahui Wang to represent UF at research symposium in Tampa." https://education.ufl.edu/educational-technology/2017/04/21/doc-student-jiahui-wang-to-represent-uf-at-research-symposium-in-tampa/.

University of Florida, Graduate School News, April 13, 2017. "Students show off their work during the 2017 graduate student research day". http://graduateschool.ufl.edu/news/students-show-off-their-work-during-the-2017-graduate-student-research-day.html.