

MICHAEL A. JOHNSON, Ph.D.

Educator · Researcher · Author · Learning Scientist · Curriculum Designer · Technologist

[LinkedIn](#) | [Google Scholar](#) | [ORCID](#) | michael.johnson314@jsums.edu

Education

Doctor of Philosophy (Ph.D.), University of North Texas, Denton, TX

College of Information | Department of Learning Technologies | Concentration: Learning Technologies | July 2026

Dissertation Title: *Understanding Intrinsic Motivations, Epistemological Beliefs, Entrepreneurial Practices, and Learning Affordances of Sneaker Resellers Through Informal Learning*

Dissertation Committee: Dr. Scott J. Warren (Chair), Dr. Wilhelmina Savenye, Dr. Rose Baker

Education Specialist (Ed.S.), University of West Georgia, Carrollton, GA | College of Education |

Department of Educational Technology and Foundations | Concentration: Media / Instructional Technology

December 2016

Master of Science (M.S.), Mississippi State University, Starkville, MS | College of Education

Department of Instructional Systems and Workforce Development | Concentration: Technology | May 2014

Bachelor of Business Administration (B.B.A.), Mississippi State University, Meridian/Starkville, MS | College of

Business | Department of Management and Information Systems | Concentration: Information Systems | August 2009

Instructional Design and Teaching Experience

Higher Education Experience

Appointments

Assistant Professor, Jackson State University, Jackson, MS | College of Education and Human Resource Development

Department of Lifelong Learning | August 2026 – Present

Adjunct Professor, Houston Community College, Houston, TX | Business & Computer Technology Department

August 2022 – May 2024

Graduate Research Assistant, University of North Texas, Denton, TX | Department of Learning Technologies

August 2021 – July 2024

Graduate Teaching Assistant, University of North Texas, Denton, TX | Department of Learning Technologies

August 2021 – July 2025

Teaching Assistantship — Graduate Courses

University of North Texas, Denton, TX | Teaching Assistant; January 2025 – May 2025

- LTEC 6500 Introduction to Quantitative Research in Learning Technologies (1 Section) – Spring 2025; Dr. Youngjin Lee
- LTEC 6512 Qualitative Research Methods in the Learning Technologies (1 Section) – Spring 2025; Dr. Scott J. Warren

University of North Texas, Denton, TX | Teaching Assistant; August 2024 – December 2024

- LTEC 6000 Philosophy of Computing in Education (2 Sections) – Fall 2024; Dr. J. Michael Spector
- LTEC 6020 Advanced Instructional Design: Models and Strategies (2 Sections) – Fall 2024; Dr. J. Michael Spector

University of North Texas, Denton, TX | Teaching Assistant; May 2023 – June 2023

- LTEC 6220 Theory of Learning Technology Implementation (1 Section) – Summer 2023; Dr. Scott J. Warren

Teaching Assistantship — Undergraduate Courses

University of North Texas, Denton, TX | Teaching Assistant

- LTEC 5420/3260 Web Authoring (2 Sections) – Spring 2025; Dr. Youngjin Lee January 2025 – May 2025
- LTEC 4060/5660 Project Management and Applied Technology Performance (2 Sections) – Summer 2025; Dr. Rose Baker May 2025 – July 2025
- LTEC 3200 Leadership and Ethical Practices for STEM Professionals (1 Section) – Fall 2024; Dr. Carole L. Jurkiewicz August 2024 – December 2024
- LTEC 5300 Learning and Cognition (2 Sections) – Summer 2023; Dr. Thomas D. Parsons May 2023 – July 2023
- LTEC 5200 New Technologies of Instruction (1 Section) – Fall 2022; Dr. Lin Lin August 2022 – December 2022

Undergraduate Courses Designed, Developed, & Taught

Houston Community College / Houston City College, Houston, TX | Adjunct Professor August 2022 – May 2024

- POFI 1301 Computer Applications I (2 Sections) – Spring 2024
- POFI 1341 Computer Applications II (4 Sections) – Spring 2024
- POFI 1301 Computer Applications I (4 Sections) – Fall 2023
- POFI 1341 Computer Applications II (2 Sections) – Fall 2023
- POFI 1301 Computer Applications I (1 Section) – Summer 2023
- POFI 1341 Computer Applications II (7 Sections) – Spring 2023
- POFI 1301 Computer Applications I (7 Sections) – Fall 2022

Technical Skills and Experience

Instructional Authoring & Multimedia Production

- Proficiency with Articulate Storyline, Camtasia, and Canva
- Ability to create storyboards, prototypes, wireframes, and interactive e-learning modules
- Skilled in producing multimedia elements: video, audio, animations, simulations, and graphics
- Experience designing instructional materials in print, digital, and multimedia formats

Learning Management Systems & Digital Integration

- Expertise integrating content into Canvas by Instructure, Schoology, Google Classroom, and Brightspace D2L
- Strong capability in LMS troubleshooting, course setup, and digital course support
- Ability to convert traditional face-to-face courses into hybrid and online formats
- Experience supporting technology-enhanced instruction and faculty digital adoption

Instructional Design Models, Standards & Best Practices

- Knowledge of instructional design models across online, hybrid, and face-to-face modalities
- Familiarity with NSQOL, Quality Matters (QM), and Aurora Institute Standards
- Understanding of Universal Design for Learning (UDL)
- Knowledge of instructional design theory, trends, and evidence-based practices
- Ability to analyze curriculum materials such as lesson plans, textbooks, and assessments for digital conversion

Accessibility, Compliance & Inclusive Design

- Knowledge of Section 508 and WCAG 2.0 AA accessibility standards
- Ability to develop accessible content including alt text, captions, transcripts, and accessible assessments
- Understanding of ADA web compliance and accessibility in digital learning environments

Technology Tools, Systems & Software Proficiency

- Proficiency with Microsoft Office Suite
- Proficiency with Google Workspace
- Experience working with multiple operating systems, including macOS and Windows

- Understanding of system security and data integrity practices

Data Analysis, Reporting & Continuous Improvement

- Skill in data analysis and generating reports for instructional decision-making
- Ability to research new instructional technologies, educational innovations, and emerging tools
- Experience evaluating and recommending software or technologies for course improvement

Faculty Support, Training & Professional Development

- Ability to assist faculty with instructional and interface design
- Skilled in designing and delivering workshops, trainings, and online instructional technology sessions
- Experience providing troubleshooting and support for instructional software and course design challenges
- Ability to collaborate with SMEs and course development teams to build high-quality learning experiences

Graduate-Level Coursework Completed in Research and Instructional Design/Technology

- LTEC 6000 – Philosophy of Computing in Learning Technologies
- LTEC 6010 – Theories of Instructional Technology
- LTEC 6020 – Advanced Instructional Design: Models and Strategies
- LTEC 6030 – Emerging Technologies in Education
- LTEC 6040 – Theory and Practice of Distributed Learning
- LTEC 6210 – Theory of Design of Interactive Multimedia Systems
- LTEC 6230 – Advanced Production Design for Learning Technologies
- LTEC 6250 – Learning Technology Systems Design and Management
- LTEC 6260 – Creating Technology-Based Learning Environments
- LTEC 6800 – Special Topics in Learning Technologies
- LTEC 6900 – Special Problems in Learning Technologies
- LTEC 6480 – Research Seminar
- LTEC 6500 – Introduction to Quantitative Research in Learning Technologies
- LTEC 6510 – Introduction to Research in Learning Technologies
- LTEC 6511 – Analysis of Research in Learning Technologies
- LTEC 6512 – Analysis of Qualitative Research in Learning Technologies
- LTEC 6516 – Advanced Research: Computer Mediated Discourse Analysis
- MEDT 7464 – Designing Technology Enhanced Instruction
- MEDT 7467 – Web Design for Instruction
- MEDT 7472 – Introduction to Distance Education
- MEDT 7476 – Assessing Learning in Technology Enhanced Instruction
- MEDT 7490 – Visual & Media Literacy Technology and Learning
- MEDT 8461 – Diffusion of Innovations
- MEDT 8462 – Leading & Managing Instructional Technology Programs
- MEDT 8463 – Issues in Instructional Technology
- MEDT 8484 – Research in Media & Instructional Technology
- TKT 6753 – Presenting with Media
- TKT 6763 – Digital Tools for Learning
- TKT 6803 – Integrating Technology for Learning
- TKT 8803 – Design and Evaluation of Instructional Software
- TKT 8743 – Interactive Media
- EDF 8363 – Function and Methods of Research in Education

K-12 Professional Experience

Nolan Ryan Junior High School, Pearland, TX | Alvin Independent School District; August 2024 – Present

STEM / Computer Science / History Teacher

- Fundamentals of Computer Science
- Applied Principles of Engineering
- United States History from Exploration Through Reconstruction

Challenge Early College High School, Houston, TX | Houston Independent School District; August 2020 – July 2024

Computer Science / CTE Business & Computer Technology Teacher

- AP® Computer Science Principles
- Business Information Management I

Brinkley Middle School, Jackson, MS | Jackson Public School District; August 2017 – July 2020

Library Media Specialist

Florence High School, Florence, MS | Rankin County School District; August 2014 – July 2017

Business & Computer Technology Teacher

- Web Design & Media Rich Content
- Introduction to Information Technology
- Graphic Design I/II
- Personal Finance
- Senior Capstone

Rowan Middle School, Jackson, MS | Jackson Public School District; August 2011 – July 2014

CTE Computer Applications Teacher

- Information and Communication Technology II
- Learning Strategies

Amanda Elzy Junior High School, Greenwood, MS | Leflore County School District; August 2010 – July 2011

Social Studies / CTE Computer Applications Teacher

- Information and Communication Technology I
- United States History from Exploration Through Reconstruction
- World History from the Prehistoric Era to the Age of Enlightenment

Workshops & Training Facilitated

- Coding Like a Data Miner, NSF Research Project Online Computer Science Summer Camp for Youths (July – August 2023)
- Computer Engineering Design Academy (CED), Rice University Office of STEM Engagement (July 2022)
- SCRATCH-ing Below the Surface: College Empowerment Day, Rice University Office of STEM Engagement (September 2022)
- Teaching Machines to Learn Workshop, Rice University Office of STEM Engagement (September 2021)

Additional Experience

Certiport Test Administrator / Proctor

- Challenge Early College High School, Houston, TX (2022 – 2024)

Campus Digital Learning Specialist / Canvas Champion

- Challenge Early College High School, Houston, TX (2022 – 2023)

Title I Coordinator

- Challenge Early College High School, Houston, TX (2020 – 2022)

Campus Webmaster

- Brinkley Middle School, Jackson, MS (2017 – 2020)
- Rowan Middle School, Jackson, MS (2011 – 2014)

Campus Test Coordinator

- Brinkley Middle School, Jackson, MS (2017 – 2020)

Certifications

National Board of Professional Teaching Standards Certification (NBPTS) #02773954

November 2015 – 2025

- Career and Technical Education / Early Adolescence Through Young Adulthood

Texas Education Agency (TEA) — Teacher Incentive Allotment (TIA) Designated Teacher, ID #4259

- Recognized

Texas Education Agency (TEA) — Educator ID #2274682

- Certifications: Business & Finance (6–12), Social Studies (7–12), School Librarian, Technology Applications (EC–12), Technology Education (6–12)

Mississippi Department of Education (MDE) — Educator License #221075

- Certifications: Business Education (7–12), Business Management, Business Technology, Career Pathway Experiences, Economics (7–12), Computer Applications (K–12), Information & Communication Technology I & II (7–12), Media Librarian (K–12), STEM (7–12), Social Studies (7–12)

Georgia Professional Standards Commission (GPSC) — Educator ID #1800804

- Certifications: Behavioral Science (6–12), Business Education (6–12), Computer Science, Economics (6–12), Geography (6–12), History (6–12), IT/Information Services & Support, Political Science (6–12), Media Specialist (P–12)

Additional Certifications

- Certipoint Internet and Computing Core (IC3) Certification
- Certificate of Online Learning (C.O.O.L.)
- Google Certified Educator Level 1; Google Certified Educator Level 2
- Microsoft Office Specialist (MOS) – Word

Professional Trainings

- Online Learning Consortium (OLC) Multimodal Course Design (2023)
- Online Learning Consortium (OLC) Liquid Syllabus Design (2023)
- Online Learning Consortium (OLC) Flipped Learning Course Design (2023)
- Mississippi Virtual Community College (MSVCC) Growing with Canvas (2022)
- Mississippi Virtual Community College (MSVCC) Digging Deeper with Designing and Teaching (2022)
- Computer Science Teaching at Rice (CSTaR) Workshop, Rice University, Office of STEM Engagement (2021)
- AP® CS Principles Workshop, Texas Advanced Computing Center (TACC), Code.org, We Teach CS, University of Texas, Austin, TX (2021)
- AP® Summer Institute for New AP® Computer Science Principles Teachers, Center for College Readiness, Rice University, Houston, TX (2020)

- AP® Summer Institute for New AP® Computer Science A Teachers, Center for College Readiness, Rice University, Houston, TX (2020)

Publications

Peer-Reviewed Book Chapter

Walker, J. T., Barany, A., Barrera, A., **Johnson, M.A.**, & Reza, S. M. (2024). *Perspectives on research and practice in and around cultural relevance for pre-college data science in computing*. In *Improving Equity in Data Science: Re-Imagining the Teaching and Learning of Data in K-16 Classrooms* (pp. 12–36). Taylor and Francis. <https://doi.org/10.4324/9781003364634-2>

Peer-Reviewed Journal Articles

Barany, A., Acquah, A., Barrera, A., **Johnson, M.**, Reza, S., Walker, J.T. (2024). *Empowering Pedagogies in Sandbox Data Science: Navigating the Intersection of Computing, Big Data, and Social Media for Enhanced Learning*.

Walker, J.T., Barany, A., Acquah, A., Reza, S., Del Rio Guzman, K., **Johnson, M.**, Badreddin, O., Barrera, A. (2024). Coding Like a Data Miner: A Sandbox Approach to Computing-Based Data Science for High School Student Learning. EngageCSEdu. ACM. <https://doi.org/10.1145/3631986>

Journal Article in Preparation

Walker, J.T., Barany, A., Barrera, A., Slater, S., Badreddin, O., Reza, S., **Johnson, M.** (in preparation). *How Twitter Users Leverage Platform-Specific Features to Advance Information about COVID-19*.

Peer-Reviewed Conference Proceedings

Acquah, A., Barany, A., **Johnson, M.**, Scarola, A., Rivera, C., Walker, J.T. (2024). *Sandboxing in Data Science: An Exploration of Youth Learning Using Open-Inquiry Approaches for Computing-based Data Mining*. 2024 International Conference of the Learning Sciences Annual Meeting. Buffalo, NY. <https://doi.org/10.22318/icls2024.371438>

Acquah, A., Barany, A., **Johnson, M.A.**, Scarola, A. S., Rivera, C., Reza, S., & Walker, J. T. (Accepted). Cultural Relevance for Epistemic Practice in High School Computational Data Science. In *Proceedings of the IEEE Frontiers in Education Conference (FIE) – Full Paper: Innovative Practice 2024*. <https://doi.org/10.1109/FIE61694.2024.10893416>

Barany, A., Scarola, A. D., Acquah, A., Reza, S. M., **Johnson, M.A.**, & Walker, J. (2024). Learning designs that empower: Navigating sandbox data science at the intersection of computing, big data, and social media. *Information and Learning Sciences*, 125(1), 2398–5348. <https://doi.org/10.1108/ILS-12-2023-0211>

Walker, J.T., Barany, A., Barrera, A., Reza, S., Guzman Del Rio, K., Acquah, A., Badreddin, O., **Johnson, M.** (October 2023). Coding Like a Data Miner: A Sandbox Approach to Computing-Based Data Science for High School Student Learning. FIE. In *2023 IEEE Frontiers in Education Conference (FIE)*. IEEE. <https://doi.org/10.1109/FIE58773.2023.10343283>

Johnson, M., Barany, A., Barrera, A., Acquah, A., Walker, J.T. (October 2023). *Lessons Learned from Online Co-design: Exploring Reflections of Connected Participatory Strategies for Computing-based Data Science Curricular Design*. Connected Learning Summit. Irvine, CA.

Walker, J.T., Barany, A., Barrera, A., Reza, S., Del Rio, K., Acquah, A., Badreddin, O., **Johnson, M.** (October 2023). Sandbox Data Science: Culturally Relevant K-12 Computing. *Frontiers in Education (FIE)* 2023.

Barany, A., Reza, S., **Johnson, M.**, Barrera, A., Badreddin, O., Fuentes, C., Walker, J.T. (June 2023). *Towards the Design of a Culturally Relevant Curriculum for Equitable, Data Mining-based CS Education*. 2023 International Conference of the Learning Sciences Annual Meeting. Montreal, Canada. <https://doi.org/10.22318/icls2023.614567> – Acceptance Rate: 30%

- Johnson, M.,** Acquah, A., Walker, J.T., Barany, A., & Reza, S. *Computational Thinking in Data Science Education: Perspectives on Open-Inquiry Assessment Methods*. University of North Texas College of Information. 2023 Multidisciplinary Information Research Symposium (MIRS), Denton, TX.
- Johnson, V., Hayes, A., & Cockerhan, D., **Johnson, M.,** *Utilizing Virtual Reality to Nurture Active Participation and Motivation in Physical Exercise*. University of North Texas College of Information. 2023 Educational Research Exchange (ERE), Denton, TX.
- Walker, J.T., Barrera, A., Reza, S., Barany, A., Badreddin, O. & **Johnson, M.** (2023). *Coding Like a Data Miner: Stakeholder Reflections about Approaches to High School Data Science Computing Curriculum CoDesign*. <http://dx.doi.org/10.1109/FIE58773.2023.10343283>

Presentations

Conference Presentations: Peer-Reviewed

- Acquah, A., Barany, A., Johnson, M., Reza, S., Scarola, A., Rivera, C., Walker, J.T. (October 2024). *Cultural Relevance for Epistemic Practice in High School Computational Data Mining*. 2024 IEEE Frontiers in Education (FIE) International Conference. Washington, DC.
- Reza, S., Garg, A., Johnson, M., Acquah, A., Barany, A., & Walker, J.T. (October 2024). *Empowering K-12 Students Through Open Inquiry on Open Government Data: A Data-Driven Approach in CS Education*. 2024 IEEE Frontiers in Education (FIE) International Conference. Washington, DC.
- Johnson, M.,** Barany, A., Barrera, A., Acquah, A., Reza, S., Walker, J.T. *Coding Like a Data Miner: Reflections on Epistemic Plurality in Sandbox Data Science with Youth*. [Poster presentation] In Searle, K. (Chair), *Exploring Critical Data Literacy in K-12 Social Studies*. 2024 American Educational Research Association Annual Meeting, Philadelphia, PA.
- Smith, P., Buffington-Bates, C., Johnson, V., **Johnson, M.,** & Baker, R. (2024, May 6–9). Connectedness, wellness, and performance improvement [PowerPoint slides]. 62nd International Society for Performance Improvement Conference, Fort McDowell, AZ.
- Johnson, M.,** Acquah, A., Walker, J.T., Barany, A., & Reza, S. *Computational Thinking in Data Science Education: Perspectives on Open-Inquiry Assessment Methods* [Conference presentation]. University of North Texas College of Information. 2023 Multidisciplinary Information Research Symposium (MIRS), Denton, TX.
- Johnson, M.,** Johnson, V., Hayes, A., & Cockerhan, D. *Perspectives on equitable access to VR technologies and immersive learning experiences* [Conference presentation]. 2023 Society of Information Technology and Teacher Education (SITE), Online.
- Walker, J. T., Barany, A., Acquah, A., Reza, S., Barrera, A., Guzman, K. D. R., & **Johnson, M.A.** (2023, October). *Coding Like a Data Miner: A Sandbox Approach to Computing-Based Data Science for High School Student Learning*. 2023 IEEE Frontiers in Education Conference (FIE).
- Johnson, V., Hayes, A., & Cockerhan, D., **Johnson, M.,** *Utilizing Virtual Reality to Nurture Active Participation and Motivation in Physical Exercise* [Conference presentation]. University of North Texas College of Information. 2023 Educational Research Exchange (ERE), Denton, TX.
- Barany, A., Reza, S., **Johnson, M.,** Barrera, A., Badreddin, O., Fuentes, C., Walker, J.T. (June 2023). *Towards the Design of a Culturally Relevant Curriculum for Equitable, Data Mining-based CS Education* [Conference presentation]. 2023 International Conference of the Learning Sciences Annual Meeting. Montreal, Canada.
- Reza, S., Barrera, A., **Johnson, M.,** Barany, A., Badreddin, O., Walker, J.T. (April 2023). *Social and Cultural Relevance: A Design Principle for Data Science-based Computer Science Education*. 2023 American Educational Research Association Annual Meeting, Chicago, IL.

Barrera, A., **Johnson, M.**, Barany, A., Reza, S., Badreddin, O., Walker, J.T. (April 2023). *Navigator to Producer: Data Science as an Access Point for Equitable Pre-College Computer Science Education*. In Strawhacker, A. et al. (Chairs), *Practice and Positionality: Critical Instantiations of STEAM Education and Research*. American Educational Research Association Annual Meeting, Chicago, IL.

Conference Round Table Discussion: Peer-Reviewed

Walker, J.T., Barany, A., Barrera, A., Slater, S., Badreddin, O., Reza, S., **Johnson, M.** (April 2023). *Social Media Discourse Instruments as Tools for Socioscientific Argumentation*. 2023 American Educational Research Association Annual Meeting, Chicago, IL.

Unrefereed Presentations

Antoine, A., Wilson, D., **Johnson, M.**, Tynes, L., & Nicholson, J. *Surviving or thriving: supporting black male involvement in computer science* [Conference Panel Discussion]. Computer Science Teacher's Association (CSTA) Spring 2023 Equity in Action Summit, Online.

Johnson, M., Barany, A., Barrera, A., Reza, S., Walker, J.T., & Badreddin, O. (2023, April 6). *Evaluating the potential of culturally relevant codesign for inclusive course development* [Conference presentation]. University of North Texas College of Information Diversity Fair, Denton, TX.

Barrera, A., Reza, S.M., Barany, A., Badreddin, O., **Johnson, M.**, Walker, J.T. (April 2022). *Sandbox Science: Equity Approaches to Open-Ended Data and Computer Science Curricular Design*. Community Engagement Scholarship Forum. The University of Texas at El Paso, El Paso, TX.

Reza, S.M., Barrera, A., Barany, A., Badreddin, O., **Johnson, M.**, Walker, J.T. (April 2022). *Coding Like a Data Miner: A Culturally Relevant Data Analytics Intervention for High School Students*. Community Engagement Scholarship Forum. The University of Texas at El Paso, El Paso, TX.

Invited Talk

Walker, J.T., Barrera, A., Reza, S.M., Barany, A., Badreddin, O., **Johnson, M.** (August 2022). *A Culturally Relevant Data Analytics-based Computer Science Curriculum for High School Youths*. Paso del Norte Partnership for Education Research Fall Summit. The University of Texas at El Paso, El Paso, TX.

Research Experiences & Activities

Research Interests

- Instructional Design and Technology in Education
- K-12 Computing Education
- Learning Sciences
- Education Equity and Access
- Barriers to Teaching and Learning
- Digital Wellness and Behavior
- Digital and Media Literacies
- Social Media for Education
- Social Impacts of Computing and Technology
- Culturally Responsive Learning Design & Instruction
- Cultural Studies
- Engagement, Participation, and Motivation in Learning
- Science, Technology, Engineering, and Mathematics (STEM) Education
- Career and Technical Education (CTE)

Affiliated Research Labs

Advanced Biotechnologies and Computing for Teaching and Learning Research Lab | <https://www.abclearninglab.com>
The University of Maryland, College Park | Dr. Justice Toshiba Walker, Principal Investigator

Simulation User Research Game Experience (SURGE XR) Lab | <https://surge.ci.unt.edu/home>

University of North Texas, College of Information – Department of Learning Technologies | Dr. Aleshia Hayes, Principal Investigator

STEM Engagement, RET, SWITCH, PATHS-UP

Expeditions in Computing, NSF-funded Research Experience for Teachers (RET) Summer Internship, Rice University, Houston, TX2022

- Summer Web-Based Institute for Technologies in Computer Science and Healthcare (SWITCH)
- Precise Advanced Technologies and Health Systems for Underserved Populations (PATHS-UP)

Professional Service

Professional Memberships

National / International

American Educational Research Association (AERA) 2023 – Present

- Div C – Learning and Instruction
- Div K – Teaching and Teacher Education
- SIG 134: Career and Technical Education
- SIG 022: Computer and Internet Applications in Education
- SIG 031: Design and Technology
- SIG 052: Instructional Technology
- SIG 120: Learning Environments
- SIG 039: Learning Sciences
- SIG 065: Media, Culture, and Learning
- SIG 162: Multicultural/Multiethnic Education: Theory, Research and Practice
- SIG 035: Online Teaching and Learning
- SIG 126: Teacher as Researcher

Association for Career & Technical Education (ACTE) 2023 – Present

Association for Computing Machinery (ACM) 2023 – Present

- ACM SIGCSE

Computer Science Teachers Association (CSTA) 2021 – 2025

- CSTA Greater Houston Chapter Member
- CSTA Black Affinity Group Member

National Technology Student Association 2012 – 2024

- Challenge Early College High School Chapter, Houston, TX (2020 – 2024)
- Florence High School Chapter, Florence, MS (2014 – 2017)
- Rowan Middle School Chapter, Jackson, MS (2012 – 2014)

Association for the Advancement of Computing in Education (AACE) 2022 – Present

Society for Information Technology and Teacher Education (SITE) 2022 – Present

- SIG: Computational Thinking
- SIG: Creativity, Design Thinking, & Innovation
- SIG: Distance/Flexible Education
- SIG: Equity & Social Justice
- SIG: Instructional Design
- SIG: K-12 Online Learning
- SIG: New Possibilities with Information Technologies
- SIG: Research & Evaluation
- SIG: Social Media
- SIG: STEM Innovation
- SIG: Teaching & Learning with Emerging Technologies
- SIG: Universal Design for Learning

International Society of the Learning Sciences (ISLS) 2022 – Present

International Society for Technology in Education (ISTE) 2020 – Present

Institute of Electrical and Electronics Engineers (IEEE) 2023 – Present

- IEEE Education Society

National Association for Multicultural Education (NAME) 2023 – Present

State / Local

- Mississippi State University (MSU) Alumni Association (2009 – Present)
- MSU Houston Alumni Chapter Member (2021 – 2026)
- Texas Computer Educator Association (TCEA) (2021 – 2026)
- Texas National Board Coalition for Teaching (TXNBCT) (2022 – 2025)

Past Memberships

- Online Learning Consortium (OLC) (2023)
- Mississippi Library Association (MLA) (2017 – 2020)
- National Educators Association (NEA) (2011 – 2015)
- Mississippi Professional Educators (MPE) (2011 – 2015)
- Mississippi Educational Computing Association (MECA) (2014 – 2021)

Professional Leadership

- AERA Division K: Teaching and Teacher Education, Digital Curation Committee Member (2023 – Present)
- College of Information Diversity & Inclusion Council Member (2023 – Present)
- Career Pathways Teacher Leader, Challenge Early College High School, Houston, TX (2022 – 2023)
- Campus Title I Coordinator, Challenge Early College High School, Houston, TX (2020 – 2022)
- Campus Test Coordinator, Brinkley Middle School, Jackson, MS (2017 – 2018, 2019 – 2020)
- Campus Coordinator, Technology and Media Inventory, Brinkley Middle School, Jackson, MS (2017 – 2020)
- Chair, Eighth Grade Level, Rowan Middle School, Jackson, MS (2013 – 2014)
- Chair, Electives Department, Rowan Middle School, Jackson, MS (2011 – 2012)

Reviewer Activities

AERA Reviewer — 2023 – Present

- SIG – Media, Culture, and Learning

- SIG – Computer and Internet Applications in Education
- SIG – Learning Sciences
- Division C – Learning and Instruction, Section 2b: Learning and Motivation in Social and Cultural Contexts
- SIG – Hip Hop Theories, Praxis & Pedagogies
- IEEE Frontiers in Education Conference (FIE) Reviewer (2024)
- ITiCSE Reviewer, 29th Annual Conference on Innovation and Technology in Computer Science Education (2024)
- ISLS Reviewer (2023 – Present)
- Connected Learning Summit Reviewer (2023 – Present)
- SITE Journal Reviewer (2023 – Present)
- AACE Journal Reviewer (2023 – Present)
- SITE Social Media SIG Reviewer (2023 – Present)

Volunteering

- African American Male Wellness Agency – Black Men's Wellness Day, University of Houston (2024 – 2026)
- College of Information Diversity & Inclusion, Diversity Fair Planning Committee (2023 – 2024)
- AERA Division K: Teaching & Teacher Education, Webmaster (2023 – 2024)
- National Technology Student Association, Chapter Advisor (2012 – Present)

Scholarships

- Graduate Teaching Assistantship 2021 – 2025
- Graduate Research Assistantship 2021 – 2024
- Kathleen White Scholarship 2022
- Toulouse Graduate School Summer Scholarship 2022 – 2025

Accomplishments & Recognition

- Nominated for Teacher of the Year, Challenge Early College High School 2024
- Accepted to the 2024 Computing Educator Diversity Initiative (CEDI) Program 2024
- Texas Advanced Computing Center (TACC) We Teach CS Black History Spotlight 2024
- Texas Education Agency Recognized Teacher Distinction 2020 – 2024
- AP® Computer Science Female Diversity Award Recipient 2021 – 2023
- Jackson Public Schools District Teacher of the Year Finalist 2013 – 2014
- Jackson Public Schools Building Level Teacher of the Year (Rowan Middle School) 2013 – 2014
- Jackson Public Schools, Rowan Middle School Service Award 2012 – 2013
- Jackson Public Schools, Rowan Middle School Rookie Teacher Award 2011 – 2012