
Education

Doctor of Education: Instructional Technology <i>University of West Florida, Pensacola, FL</i> Dissertation title: <i>The Effects of Collaborative Video Production on the Attitudes and Science Knowledge of Sixth Graders</i>	2015
Education Specialist: Instructional Technology <i>University of West Florida, Pensacola, FL</i>	2013
Master of Arts in Teaching <i>Spring Hill College, Mobile, AL</i>	2008
Bachelor of Arts <i>University of South Alabama, Mobile, AL</i>	1997

Teaching Experience

Assistant Professor Department of Counseling & Instructional Sciences College of Education & Professional Studies University of South Alabama, Mobile, AL	2018-present
Technology Resource Teacher Mobile County Public School System, Mobile, AL	2014-2018
Adjunct Instructor College of Education & Professional Studies University of South Alabama, Mobile, AL	2016-2018
Adjunct Instructor, Instructional Technology Teacher Education Department for undergraduate/graduate programs Spring Hill College, Mobile, AL	2012-2018
Fourth and Fifth Grade Teacher, math, science, and history Dawes Intermediate School, Mobile, AL	2010-2014
Fourth Grade Teacher, math, science, and history Fifth Grade Teacher, math and history Hutchens Elementary School, Mobile, AL	2008-2010

Research Presentation

Implementing Technology-Based Reflection to Assess Elementary Students' Design Thinking and Conceptual Understanding in an Engineering Design Challenge <i>AERA Annual Meeting, Virtual</i>	2022
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Collaborative Video Production: Process and Strategies <i>FETC Conference, Orlando, FL</i>	2022
Influence of Collaborative Video Production on Interest and Engagement of Students Grades 6 and 7 <i>AECT International Conference, Chicago, IL</i>	2021
Using Flipgrid as a reflection tool to capture students' design thinking in a second grade science classroom <i>NARST International Conference, Virtual</i>	2021
Using video and written reflection to assess students' design thinking in a second grade science classroom <i>ASTA Virtual Conference</i>	2021
Integrating a Coding Module in an Undergraduate Educational Technology Course <i>AECT International Convention, Las Vegas, NV</i>	2019
The Effects of Collaborative Video Production on the Situational Interest of Elementary School Students <i>AECT International Convention, Las Vegas, NV</i>	2019
Research on Collaborative Video Production <i>ISTE, Chicago, IL</i>	2018
The Effects of Collaborative Video Production on the Situational Interest of Elementary School Students <i>MSERA, Pensacola Beach, FL</i>	2018
Research on Collaborative Video Production <i>2017 AECT International Convention, Jacksonville, FL</i>	2017
Doctoral research at the <i>Southeastern Association for Science Teacher Education Annual Meeting, Columbus, GA</i>	2015

Publications

- Gaston, J. P., & Havard, B. (2019). The effects of collaborative video production on situational interest of elementary school students. *TechTrends*, 63(1), 23–32. doi: 10.1007/s11528-018-0363-9
- Zha, S., Jin, Y., Moore, P. R., & Gaston, J. (2019). Hopscotch into coding: Introducing pre-service teachers to computational thinking. *TechTrends*. Doi: 10.1007/s11528-019-00423-0

Zha, S., Jin, Y., Moore, P. R., & Gaston, J. (2020). A cross-institutional investigation of a flipped module on preservice teachers' interest in teaching computational thinking. *Journal of Digital Learning in Teacher Education*, 36:1, 32-45, DOI: 10.1080/21532974.2019.1693941

Professional Leadership

Board Member for the Literacy Coalition of South Alabama	<i>Current</i>
Host and Producer of Podcast series, <i>Sincerely, South</i>	<i>Current</i>
Creator and Co-Host of Educational Podcast Series, <i>Next in Ed</i>	<i>Current</i>
Professional development co-designer and facilitator Dominican Republic Design and develop workshops for teachers and administrators within the Episcopal school system of the Dominican Republic with a concentrated focus on instructional technology application and best practices	<i>2017-present</i>
Creator and facilitator of Dr. G.'s Video Production Camp Summer camp providing hands-on instruction for teachers and students on conducting video production projects to demonstrate understanding of classroom content	<i>2017-present</i>
STEM Facilitator/Trainer Ajman, United Arab Emirates	<i>2020</i>
Workshop designer and facilitator Mobile, AL Design and facilitate instructional technology workshops for teachers and administrators in Mobile County school system and for college students at Spring Hill College: <i>SMART Science; Blended Learning Online PD Course; SMART board training beginning; Google Apps; Audio and Video in the Classroom, and others</i> Design and facilitate science workshops for teachers in Mobile County school system: <i>SMART Science, Sally Ride Science, Catch the Drifters</i>	<i>2010-2018</i>
Guest Instructor/Lecturer University of Monterrey, Monterrey, Mexico	<i>2014/2016</i>
Teacher Academy designer and facilitator Doha, Qatar Member of design team for inaugural <u>Qatar University ExxonMobil Teachers Academy</u> (QUEMTA) Faculty member for QUEMTA in Doha, Qatar summer, 2012 Instructional technology advisor for QUEMTA	<i>2012</i>

Leadership for Students

Creator and lead sponsor of Dawes Astronomy Club and Fifth Grade Math Team	2010-2014
Creator and lead sponsor of Hutchens Astronomy Club and lead sponsor of Hutchens Fifth Grade Math Team	2008-2010

Leadership for Colleagues

SMART Certified Trainer	2011-present
Math and Science Curriculum Writer for Mobile County	2009-2014
President of the <i>South Alabama Council of Teachers of Mathematics</i>	2012-2013
Lead science teacher for Dawes Intermediate	2012-2013
Member of the Mobile County Math Leadership Team	2011-2012
<i>Alabama Counsel of Teachers of Mathematics</i> Fall Forum Workshop presenter: <i>Exploring Geometry Through Polyhedrons</i>	2011
<i>South Alabama Math Symposium</i> workshop presenter: <i>Walking Directions</i>	2011
Lead math teacher for Hutchens Elementary	2008-2010

Training

Learning & the Brain: Engaging 21 st Century Minds	2013
Sally Ride Science Trainer	2012
SMART Notebook software Certified Trainer	2011
Mobile County Leadership Team	2011
Mickelson ExxonMobil Teachers Academy	2010
Talents Unlimited	2009
<u>A</u> l <u>a</u> b <u>a</u> <u>M</u> ath <u>S</u> ci <u>e</u> n <u>c</u> e <u>T</u> echnology <u>I</u> n <u>i</u> t <u>i</u> a <u>t</u> i <u>v</u> e (Fourth grade/year one)	2008

Memberships

National Association for Research in Science Teaching	<i>current</i>
International Society for Technology in Education	<i>current</i>
Alabama Educational Technology Association	<i>current</i>
Association for Educational Communications and Technology	<i>current</i>
Alabama Science Teachers Association	<i>current</i>