

**Curriculum Vitae
Demetrius Rice**

General Information

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Education

2022 Ph.D., Florida State University, Tallahassee FL. Major: Instructional Systems & Learning Technologies
Dissertation: Project-based learning experiences of middle school teachers: Examining project design, management strategies, and implementation context

2008 B.S., Florida State University, Tallahassee FL. Major: Secondary Mathematics and Science Instruction

2006 A.A., Tallahassee Community College, Tallahassee FL. Major: General Education

Professional Experience

2023-Present (Su24) Instructor, University of West Georgia-College of Education, Department of Educational Technology and Foundations.
▪ Issues in Instructional Technologies (MEDT 8463) course.

(Sp24) Instructor, University of West Georgia-College of Education, Department of Educational Technology and Foundations.
▪ Assessing Learning in Technology Enhanced Instruction (MEDT 7476) course.
▪ Issues in Instructional Technologies (MEDT 8463) course.

(Fa23) Instructor, University of West Georgia-College of Education, Department of Educational Technology and Foundations.
▪ Multiple Literacies in Education (MEDT 2501) course.
▪ Issues in Instructional Technologies (MEDT 8463) course.

(Su23) Instructor, University of West Georgia-College of Education, Department of Educational Technology and Foundations.
▪ Issues in Instructional Technologies (MEDT 8463) course.

- 2021-2022
- (Su22) Teaching Assistant, Florida State University-College of Education, Instructional Systems and Learning Technologies (ISLT) program. Technology & Design (EME 5602) course content revision and conversion to Canvas LMS course site.
- (Su21-Sp22) Graduate Assistant, Florida State University-College of Education, Technology Sandbox. Designed and implemented instructional activities integrated with technological resources to support instruction and learning. Supervised trainings, workshops, and presentations about instructional technology use for College of Education students, staff, and faculty.
- (Fa21) Graduate Assistant, Florida State University-College of Education, Instructional Systems and Learning Technologies (ISLT) program. Planned and facilitated monthly virtual alumni-student knowledge exchange (ASKe) speaker presentations featuring (ISLT) alumni, students, and faculty.
- (Fa21) Research Assistant, Florida State University-College of Education, Technology Sandbox. Designed and implemented instructional activities integrated with technological resources to support instruction and learning. Supervised trainings, workshops, and presentations about instructional technology use for College of Education students, staff, and faculty.
- 2017-2021
- (Sp21) Graduate Assistant, Instructional Systems and Learning Technologies (ISLT) program. Planned and facilitated monthly virtual alumni-student knowledge exchange (ASKe) speaker presentations featuring (ISLT) alumni, students, and faculty.
- (Sp21) Teaching Assistant, Florida State University-College of Education, Instructional Systems and Learning Technologies (ISLT) program. Educational Technology (EME2040) course. Provided instructional support as needed. Supervised lab sections of the course.
- (Fa20) Teaching Practicum, Florida State University-College of Education, FSU-Teach program, Classroom Instruction (SMT4301) course. Created a learner characteristics and context analysis guide for use as a lesson design support tool. Developed classroom activities and facilitated discussion involving the use of technology as learning tools and learning objects.
- (Fa19, Sp20) Teaching Assistant, Florida State University-College of Education, FSU-Teach program, Project-Based Instruction (SMT4664) course. Developed and facilitated instruction, conduct field observations and evaluate pre-service educators during the implementation of their project-based instruction.
- (Fa18) Graduate Assistant, Florida State University-College of Education, Instructional Systems & Learning Technologies (ISLT) program. Introduction to Systematic Instruction (EME5603) course. Provided instructional support as needed. Supervised lab sections of the course.
- (Fa17-Fa19) Support Staff, Florida State University-College of Education, Learning Resource Center. Designed instructional content and conducted

training for use of instructional technologies by faculty, staff and students in the College of Education. Maintained instructional technology and resources in the College of Education's Learning Resource Center.

- 2015-2017 Program Coordinator, STEM Center, Tallahassee Community College. Managed the STEM Center administrative responsibilities while providing academic support and technical career skills development to an average of 40 students per semester. Conducted STEM education outreach events to support campus engagement and local K-12 programs. Developed and implemented the National Science Foundation grant funded STEM STAR Scholar research and career development program.
- 2014-2015 Principal, Career and Technical Education Program Coordinator, James Madison Preparatory High School. Supervised the daily operations, employees, and technology infrastructure of the school. Implemented and managed the Certiport® industry level certification testing center. Established the school-wide Career and Technical Education program. Developed curriculum for the engineering and digital design courses.
- 2010-2014 Career and Technical Education (CTE) Academy Coordinator, Amos P. Godby High School. Supervised the Certiport® industry level certification testing process. Developed and implemented curriculum for Engineering Design and Principles of Engineering courses.
- 2010-2014 Instructor, Amos P. Godby High School. Developed and taught curriculum for the Algebra I & II, Geometry, Trigonometry and Advanced Placement Calculus courses.
- 2009-2014 Adjunct Instructor, Tallahassee Community College. Taught developmental mathematics sections: pre-algebra and elementary algebra. Taught production technician methods and prepared course participants for the industry level MSSC-Production Technician certification exam.
- 2003-2009 Avionics Communications/Navigation Mission System Technician, United States Air Force Reserves. Interpreted technical orders, job guides, fault isolation manuals, wiring diagrams, and schematics to accomplish on equipment and off equipment maintenance. Performed avionic maintenance supporting the MC-130(E) Combat Talon I aircraft.

Honors and Awards

Gagne/Briggs Outstanding Service Award (2021)

McKnight Doctoral Fellowship, Florida State University (2019)

Florida Information Technology Career Alliance Grant Award, Florida State University (2014)

Glenn-Howell Distinguished Educator of the Year, Amos P. Godby High School, Leon County Schools District (2011)

Current Membership in Professional Organizations

Association for Educational Communications and Technology (AECT)

Teaching

Courses Taught

Project-Based Instruction (SMT4664)
Introduction to Engineering Design (8600550)
Principles of Engineering (8600550)
Introduction to Information Technology (8207310)
Digital Design I (8209510)
Algebra I (1200310)
Algebra II Honors (1200340)
AP Calculus AB (1202310)
Geometry Honors (1206320)
Trigonometry Honors (1211300)
Foundations of College Mathematics I (MAT0018)
Foundations of College Mathematics II (MAT 0028)
Curriculum Design, Development, and Implementation
[*Principles of Engineering](#) (2015)
Digital Design I (2015)
[*Introduction to Engineering Design](#) (2014)

*Click the course title to view content created to support activities and projects.

Workshops

- Rice, D. (2022, February). *ePortfolio: Three considerations to make when designing an ePortfolio*. Delivered at Florida State University for success in STEM course (SLS STEM), Tallahassee, FL.
- Bong, J., Davidson, A., Rice, D., (2021, April). *Considerations for designing and implementing educational robotics instruction in K-12 contexts*. Workshop conducted virtually for the Canadian Network for Innovation in Education.
- Rice, D. (2020, January). *Inservice teacher training: Implementing 3D printing applications in the K-12 learning environment*. Workshop delivered at Griffin Middle School, Leon County School District, Tallahassee, FL.
- Rice, D. (2019, October). *Inservice teacher training: Classroom instruction using Edison robotics and coding applications*. Workshop delivered at Kate Sullivan Elementary school, Leon County School District, Tallahassee, FL.
- Rice, D. (2019, July). *Inservice teacher training: Design, development and implementation of STEM challenge activities in the K-12 environment*. Workshop delivered at the Florida State University College of Education, Tallahassee, FL.
- Rice, D. (2019, June). *Inservice teacher training: Incorporating STEM robotics into the K-12 classroom*. Workshop delivered at the Florida Agricultural & Mechanical University-Florida State University College of Engineering, Tallahassee, FL.
- Rice, D. (2018, December). *Inservice teacher training: Coding with Scratch software*. Workshop delivered at Leon County Schools STEAM Symposium, Leon County School District, Tallahassee, FL.
- Rice, D. (2018, July). *Inservice teacher training: STEM on a Budget*. Workshop delivered at Leon County Schools STEAM Teaching Conference, Leon County School District, Tallahassee, FL.
- Rice, D. (2018, July). *Inservice teacher training: Resources, tips, and strategies for implementing STEM*. Workshop delivered at the Leon County Schools STEAM Teaching Conference, Leon County School District, Tallahassee, FL.
- Rice, D. (2018, January). *Inservice teacher training: Introduction to Mindstorms EV3 Robotics*. Workshop delivered at the Leon County Schools District Training Center, Leon County School District, Tallahassee, FL.

Presentations

Invited Keynote at Conferences

Rice, D. (presented 2018, July). *Fundamentals of a STEM learning environment*. Keynote presentation at Leon County Schools STEAM Teaching Conference, Tallahassee, FL.

Invited Presentation at Conferences

Rice, D., Bong, J., & Klein, J. (presented 2020, November). *Design and implementation of robotics instruction in the K-12 environment*. Presented virtually for the Technology Showcase hosted by the Association for Education Communications & Technology (International)

Rice, D., Smith, G., & Klein, J. (presented 2019, October). *The pursuit of STEM education: 5 essential considerations for successful design and implementation*. Presentation at Association for Education Communications & Technology, Las Vegas, NV. (International)

Invited Guest Speaker

Rice, D. (2021, September). *ePortfolio: Setting up and maintaining an ePortfolio*. Delivered at Florida State University for success in STEM course (SLS STEM), Tallahassee, FL.

Rice, D. (2020, June). *Automation: The wonderful world of robotics*. Delivered virtually for Conversations with Kids and STEMineers.

Rice, D. (2021, March). *Articulating robotic arms controlled by microcontrollers*. Delivered virtually for Arduino Day hosted by 4th Space, Innovation Lab, and Milieux Institute for Arts, Culture and Technology at Concordia University, Montreal, Québec, CA.

Rice, D. (2020, September). *ePortfolio: Setting up and maintaining an ePortfolio*. Delivered at Florida State University for success in STEM course (SLS STEM), Tallahassee, FL.

Rice, D. (2020, June). *Automation: The wonderful world of robotics*. Delivered virtually for Conversations with Kids and STEMineers.

Rice, D. (2020, June). *STEM learner series: Robotics and an automated world*. Delivered virtually for the Embry-Riddle Aeronautical University and the Panhandle Area Educational Consortium.

Rice, D. (2020, January). *ePortfolio: Setting up and maintaining an ePortfolio*. Delivered at Florida State University for success in STEM course (SLS STEM), Tallahassee, FL.

Rice, D. (2019, September). *ePortfolio: Setting up and maintaining an ePortfolio*. Delivered at Florida State University for success in STEM course (SLS STEM), Tallahassee, FL.

Rice, D. (2018, October). *Instructional alignment: The importance of developing content and practice activities that align with instructional objectives*. Delivered at Florida State University for Introduction to Systematic Instructional Design course (EME 5603), Tallahassee, FL.

Rice, D. (2018, October). *Instructional technologies: The use of robotics as instructional tools in an integrated curriculum*. Delivered at Florida State University for Introduction to Education Technology course (EME 2040), Tallahassee, FL.

Publishing

Dennen, V. P., Bagdy, L. M., Choi, H., Rice, D., & Smith, G. (presented 2018, July). Transitions in social media use between high school and college: From panopticon to wild west? Paper in presented at the meeting of Social Media & Society, Copenhagen, Denmark. (International)

Community Service

Facilitator, Griffin Middle School. Conducted design activities for teachers and students using the Tinkercad application and Dremel 3D printing hardware (2021).

Facilitator, Leon County School District Talent Development Institute. Conducted monthly career development and technical education workshops for K-12 students (2021).

Facilitator, Tech Design Challenge week. Facilitated coding and robotics challenge activities for K-12 students, Conversations with Kids and STEMineers program (2020).

Exhibition Coordinator, Florida Agricultural & Mechanical-Florida State College of Engineering Annual Open House. Coordinated interactive robotics demonstrations for event participants, Florida State University College of Engineering (2020).

Exhibition Coordinator, Annual Women in STEM Day. Designed and coordinated interactive robotics demonstrations for event participants, Florida Agricultural & Mechanical University (2020).

Exhibition Coordinator, Florida State University College of Education STEM Day. Designed and coordinated interactive robotics demonstrations for event participants, Florida State University College of Education (2019).

Judge, Leon County School District Elementary Schools STEAM Expo. Served as judge of student engineering projects, Challenger Learning Center (2019).

Director, Challenge Activity Summer Camp. Designed, developed and facilitated the challenge camp featuring Scratch coding and Edison robotics challenge activities, Florida State University College of Education (2019).

Event Coordinator, Leon County School District STEAM Symposium, served as coordinator of STEAM activity involving Scratch software and basic coding practices, Leon County Schools District Training Center (2018).

Judge, Leon County School District Elementary Schools STEAM Expo. Served as judge of student engineering projects, Challenger Learning Center (2018).

Judge, First Lego League Robotics Practice Qualifying Tournament. Served as robotics design judge for the regional qualification practice tournament, Jefferson High School (2018).

Judge, First Lego League Robotics Scrimmage. Served as core values judge for the district scrimmage, Florida Agricultural & Mechanical University-Florida State University College of Engineering, Tallahassee, FL. (2018).

Event Coordinator, Florida State University College of Education STEM Day, served as coordinator for the STEM Day event which featured 3D printing, biology, mathematics, and robotics interactive activities and demonstrations, Florida State University College of Education (2018).