Vanessa A. Coote

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RESEARCH INTERESTS

Computer science education, programming language design, artificial intelligence, data science, educational psychology, collaborative learning, and adaptive learning

EDUCATION

- **PhD, Instructional Systems & Learning Technology,** Florida State University, 2030
- **MS, Educational Psychology: Learning & Cognition**, Florida State University, 2024
- **MS, Computer Information Systems**, Florida Institute of Technology, 2012
- **BS, Information Technology**, University of Belize, 2010

CERTIFICATES

- **Graduate Certificate, Online Teaching & Learning,** Florida State University, 2024
- **Graduate Certificate, Instructional Design**, University of Florida, 2020

ACADEMIC HONORS / AWARDS

- **Ava D. Rodgers Endowed Scholarship,** Florida State University, 2026
- **Love of Learning Award,** The Honor Society of Phi Kappa Phi, 2024
- **The National Society for Leadership and Success**, 2022 – Present
- **The Honor Society of Phi Kappa Phi**, 2013 – Present

EMPLOYMENT HISTORY

ACADEMIC/TEACHING EXPERIENCE

Instructional Designer, Florida State University, 2026 – Present

- Prepare courses for QM certification.
- Design courses for FSU Learn.
- Provide accessibility training.

Program Coordinator, Florida Agricultural and Mechanical University, 2022 – 2026

- Manage student success efforts in the computer science degree.
- Perform curriculum assessment and development.
- Perform academic advising and planning.
- Administer and manage the Computer Science Google Scholarship.

Instructor, Florida Agricultural and Mechanical University, 2018 – 2026

- Teach courses (see list at end)
- Perform instructional design and development activities.

Instructor, Belmopan Baptist High School, 2011

- Taught 10th-12th grade Information Technology
- Perform instructional design and development activities.
- Tutor students for the Caribbean Secondary Examination Certificate (CSEC) in IT

Lecturer, St Johns College Junior College, 2010 – 2011

- Taught courses (see list at end)
- Curriculum evaluation and development
- Perform instructional design and development activities

PROFESSIONAL EXPERIENCE

Full Stack Web Developer, USSIGlobal, 2013 – 2018

- Designed and developed web-based applications utilizing ColdFusion, JavaScript, HTML5, CSS, MSSQL, PHP, and other web technologies.
- Conducted the activities of a system and business analyst.
- Provided tier 3 and 4 customer support.

GRANTS

PAST

Co-PI, Collaborative Research: CUE-T: Broadening Participation in Computing via Active Learning Strategies in Multi-Institution Online Synchronous Learning Environments

June 1, 2023 – July 24, 2026
National Science Foundation
PI: Edward Jones, Ph.D.
Total Awarded: $219,873

Senior Personnel, Northrop Grumman: Towards AI-Enabled Tutoring for Critical CIS

Courses

June 1, 2023 – July 24, 2026
Northrup Grumman
PI: Mark Weatherspoon, Ph.D.

PROFESSIONAL DEVELOPMENT

COURSES/ACTIVITIES

- **Scholarship of Teaching and Learning Academy Cohort Participant**, Florida A&M University, 2024
    - Engaged in an intensive, year-long program focused on the rigorous study and application of evidence-based teaching practices to enhance, document, and report student learning outcomes.
    - Collaborated with interdisciplinary faculty members to research and implement innovative teaching strategies, emphasizing culturally responsive teaching to foster inclusive and equitable learning environments.

LICENSES / CERTIFICATIONS

- QM-Certified Higher Education Peer Reviewer, 2026
- Peer Reviewer Course, Quality Matters, 2026
- Applying the QM Rubric (APPQMR), Quality Matters, 2026
- Introduction to Quality Matters, Quality Matters, 2025
- Apple Teacher Certification, Apple, 2022

WORKSHOPS / CONFERENCES ATTENDED

- National Conference to Advance POGIL Practice, POGIL Project, June 2025
- POGIL National Meeting, POGIL Project, May 2025
- International Learning Assistant Conference (ILAC), Learning Assistants Alliance, October 2024
- POGIL National Meeting, POGIL Project, June 2024
- Fundamentals of Assessment, ABET, April 2024
- ABET Symposium, ABET, April 2024
- International Learning Assistant Conference (ILAC), Learning Assistants Alliance, October 2023

- Activity Writing Virtual Workshop, POGIL Project, July 2021
- POGIL Classroom Facilitation Virtual Workshop, POGIL Project, July 2021
- Fundamentals of POGIL Virtual Workshop, POGIL Project, July 2021
- Sixth Workshop on Using Learning and Engagement Strategies in Software Engineering and Programming Courses (LESSEP-2019-1), Florida International University, 2019

WORKSHOPS FACILITATED

- Using AI in the University Setting, Florida A&M University, Organizational Development and Training, November 18, 2025
- Designing Collaborative Learning Experiences, Florida A&M University Teaching and Learning Center, April 4, 2025
- Working with Learning Assistants in a POGIL Classroom, ILAC, October 20, 2024
- Planning for LA-Student Interaction, ILAC, October 19, 2024
- AR Unleashed: Elevate Teaching with AR.js, Florida A&M University Teaching and Learning Center, October 20, 2023
- Cracking the Code: A Byte-sized Introduction to Coding for All, Florida A&M University Teaching and Learning Center, October 18, 2023

PANELS

- LA/LA Faculty Panel, ILAC, October 18, 2024

PRESENTATIONS

- **Coote, V.,** Jones, E., Clarke, P. (Lead PI), Cickovski, T., Kornreich-Leshem, H., Reis, G. M., Solis, T., Fu, Y., Barnes, N., Bogle, S., Tuttle, S., Narasareddy, M. R., Ali, M., & Ramasamy, V. (2025, June). *Facilitating Success: Learning Assistant Reflections in POGIL Classrooms*. [Poster presentation]. National Conference to Advance POGIL Practice, Atlanta, GA.
- **Coote, V.** (2024, May). *Specifications Grading: A Shift Towards Mastery-Focused Assessment*. [Presentation]. Florida A&M University EMPOWER Virtual Conference, Tallahassee, FL.

PROFESSIONAL AFFILIATIONS

- Learning Assistants Alliance, 2023 – Present
- POGIL Project, 2021 – Present
- Special Interest Group on Computer Science Education (ACM), 2013 – Present
- Association for Computing Machinery, 2012 – Present

SERVICE

UNIVERSITY

- *Coordinator*, CIS Department Assessment Committee, Florida A&M University, 2024–Present
- *Coordinator*, CIS Department Faculty Development Planning, Florida A&M University, 2024–Present
- *Co-Advisor*, HBCU Battle of the Brains Team, Florida A&M University, 2024
- *Coordinator*, Google Scholarship Program, Florida A&M University, 2023–Present
- *Advisor*, Women in STEM, Florida A&M University, 2023–2024
- *Advisor*, BE Smart Hackathon, Florida A&M University, 2023
- *Member*, CIS Department Curriculum Committee, Florida A&M University, 2023–2024
- *Faculty Member*, HBCU C^2 Innovation Team, Florida A&M University, 2021–Present
- *Advisor*, Association for Computing Machinery @ FAMU, Florida A&M University, 2019–2023
- *Advisor*, ACM Committee on Women @ FAMU, Florida A&M University, 2019–2023
- *Coordinator*, CIS Innovation & Technology Expo, Florida A&M University, 2019–Present
- *Advisor*, 7 Hills Capital, Florida A&M University, 2019
- *Member*, Data Science Focal Group, Florida A&M University, 2019–2020

PROFESSIONAL

- *Strategic Team Member* (2024–2025); *Co-Leader* (2025–Present), Supporting Inclusivity: Learning Communities for Historically Marginalized Groups Strategic Team, POGIL Project
- *Posters Co-Chair*, SIGCSE Virtual Conference 2026, ACM Special Interest Group on Computer Science Education (SIGCSE), 2025–2026

COURSES TAUGHT

FLORIDA A&M UNIVERSITY

- CGS2120 – Introduction to Computers with Programming (Swift and Python)
- CIS 4301 – Information Systems Design Development
- CIS4910 – Information Systems Project
- CIS4942 – Information Systems Internship
- COP2034 – Introduction to Programming Using Python
- COP3014C – Fundamentals of Programming
- COP3330 – Introduction to Object-Oriented Programming
- COP3060 – Concepts of Advanced Application Development
- COP3366 – Introduction to C# Programming
- COP3710 – Database Development
- COP3828 – Web Programming & Design
- COP4020 – Programming Languages
- COP4365 – Advanced C# Programming
- COP4814 – Web Services

ST. JOHN'S COLLEGE JUNIOR COLLEGE

- Introduction to Visual Basic Programming
- Advanced Visual Basic Programming
- WWW Interactive Programming
- MS Access & SQL
- Systems Analysis & Design
- Business Information Systems
- Introduction to Computers
- Study Skills