

Bryon Miller

Cybersecurity researcher, educator, and computer science leader | AI evaluation and digital trust

bryonmiller@duck.com | bryonmiller.com | linkedin.com/in/bryonmiller | Scottsboro, Alabama

PROFILE

Cybersecurity educator and researcher whose current work is moving toward AI and LLM evaluation, AI security, digital trust, and the use of AI to test conventional cyber systems. Experience includes college program leadership, cyber curriculum and lab development, applied research, and technical instruction for domestic and international students.

CURRENT APPOINTMENTS

Director, Computer Science Division and Computer Science Instructor

Northeast Alabama Community College | 2020-present; director since 2024

Directs the Computer Science Division, teaches cybersecurity and computer science, develops curriculum and credentials, and builds partnerships with employers and universities.

Allied Faculty Instructor and Cybersecurity SME

University of Mount Olive | 2023-present

Develops and teaches online courses in cybersecurity, cloud computing, networking, ethical hacking, and server administration. Serves as a subject matter expert for cyber courses.

Research Engineer II, On-Call

The University of Alabama in Huntsville | 2023-present

Creates and reviews cyber curriculum, labs, assessments, and instructional support materials.

RESEARCH INTERESTS

- AI and LLM testing and evaluation, especially behavior under adversarial pressure
- AI security, digital trust, deception, escalation, and bargaining failure
- AI-assisted testing of traditional cybersecurity systems and controls

EDUCATION

PhD, Information Technology - Information Security

University of the Cumberlands | Expected August 2027

Current GPA: 4.0.

MS, Cybersecurity - Risk Management; Graduate Certificate, Cybersecurity Risk Management

Old Dominion University | 2024; 2023

GPA: 4.0. Graduate study in NIST RMF, FedRAMP, NIST 800-53, NIST 800-171, CMMC, and related security frameworks.

MBA, Information Systems

University of North Alabama | 2019

GPA: 4.0. Beta Gamma Sigma and Phi Kappa Phi.

BS, Psychology

Liberty University | 2012

President's and Dean's Lists; Psi Chi.

Bryon Miller

Research, teaching, and service

PEER-REVIEWED PUBLICATIONS

Miller, B. (2024). "Four Foreign Forces: A CTI Analysis of APTs Targeting the U.S." *Journal of Information Warfare*, 23(4). Journal record.

Miller, B., & Zhang, X. (2020). "A Multi-Layer Approach to Detecting and Preventing IoT-Based Botnet Attacks." *Issues in Information Systems*, 21(3), 168-178. https://doi.org/10.48009/3_iis_2020_168-178. Best Paper Award, Research Category, IACIS 2020.

Miller, B., Miller, K., & Zhang, X. (2020). "Prevention of Phishing Attacks: A Three-Pillared Approach." *Issues in Information Systems*, 21(2), 1-8. https://doi.org/10.48009/2_iis_2020_1-8.

SELECTED TEACHING AND PROGRAM WORK

- Established and developed cybersecurity coursework and a degree option for rural community-college students in northeast Alabama.
- Developed Alabama's first community-college Google IT Support Professional certificate program in collaboration with Google and Coursera.
- Led artificial intelligence instruction for students at GEMS Modern Academy in the UAE through ISACA.
- Previously taught ISACA's Certified in Emerging Technology series covering AI, cloud computing, blockchain, and IoT.
- Developed and taught a cybersecurity course for Bryan College's Vogel School of Engineering in 2026.

CREDENTIALS

- CompTIA Security+
- ISACA Artificial Intelligence Fundamentals Certificate, 2026
- Google AI, 2026; Google Cybersecurity, 2025; Google IT Support Professional, 2020
- Quantum Computing Fundamentals Certificate, Quantgates, 2026
- TestOut Ethical Hacker Pro, 2023

RECOGNITION AND SERVICE

- Best Paper Award, Research Category, International Association for Computer Information Systems, 2020
- Top 20 Under 40, Daily Sentinel, Jackson County, Alabama, 2017
- Leadership DeKalb County and Jackson County Leadership graduate, 2015
- BSides Huntsville volunteer and National Cyber Summit Speaker Review Committee Chair, 2022-2023
- Member of ISACA, IAPP, FBI InfraGard, and the North Alabama Chapter of ISSA

Public edition updated August 2026. Home address and personal phone number are intentionally omitted.