

Felicia Doswell

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EDUCATION

- **Bachelor of Science**, Computer Science, Norfolk State University, 1990.
- **Master of Science**, Computer Science, Georgia Institute of Technology (Georgia Tech), 1991.
- **Doctor of Philosophy**, Computer Science, Virginia Polytechnic and State University (Virginia Tech), 2005

PROFESSIONAL EXPERIENCE

- **Associate Professor**, July 2012 to Present, Norfolk State University
- **Assistant Professor**, August 2006 to August July 2012, Norfolk State University
- **Assistant Professor**, August 2004 to August 2006, Virginia State University
- **Member of Technical Staff**, September 1993 – May 1996, Nortel, RTP, North Carolina
- **Member of Technical Staff**, May 1992 – September 1993, Tekelec, Morrisville, North Carolina
- **Member of Technical Staff**, June 1990 – May 1992, AT&T Bell Laboratories, Naperville, Illinois

SCHOLARLY RESEARCH ACTIVITIES

Funding Awards:

- Apple Inc. and Tennessee State University Equipment Grant, HBCU-C² Coding and Creativity Center Initiative; Submission Contributors: Drs. Felicia Doswell (Primary Point of Contact and Nominated CS Faculty), Cynthia Nicholson (Nominated Education Faculty), Thorna Humphries (CS Faculty), Aurelia Williams (Executive Leadership); Funded Amount: \$89,682.35 Funding Duration: 2020-2021
- Tech Talent Software Engineering Initiative: Course Development; “Parallel and Distributed Computing”, Contributors: Dr. Felicia Doswell; Funded Amount: \$10,000. Funding Duration: June 2020 – July 2020
- State Council for Higher Education in Virginia (SCHEV), Norfolk State University Tech Talent Investment Program (TTIP) Award; Submission Contributors: Drs. Felicia Doswell, Thorna Humphries, Rasha Morsi, and Claude Turner; Funded Amount: \$5,345,665 Funding Duration: October 2019 – 2040.
- 2019 Norfolk State University Gencyber Professional Development for High School Teachers Award, Submission Contributors: Drs. D’Nita Andrews Graham (PI), Felicia Doswell (Senior Personnel/Lead Instructor), and Mr. Wayne Andrews (Senior Personnel). Funded Amount: \$97,597.92 Funding Duration: June 2019 – December 2019.
- NSU Summer Course Development Grant, “Data Analytics”. Contributors: Dr. Felicia Doswell; Funded Amount: \$7,500. Funding Duration: May 2019 – June 2019.
- NSU Summer Research Grant. " Cyber Security Innovations: Addressing Problems that Computing Workforce Face Today ", Contributors: Dr. Felicia Doswell; Funded Amount: \$7,500. Funding Duration: July 2018 – August 2018
- NSU Summer Course Development Grant, "Development of an Online Artificial Intelligence Course", Contributors: Dr. Felicia Doswell; Funded Amount: \$7,500. Funding Duration: June 2018 – July 2018
- Google Faculty in Resident Funding, “Faculty Immersion to Prepare for High Tech Environment”; Curriculum Development for Workforce Preparation of Students Aiming for High Tech Environment” Selected to Participate in a 6 Week Workshop and Develop Project Based Learning Material. Google Headquarters in Mountain View, CA; Contributors: Dr. Felicia Doswell; Funded Amount: \$21,000. Funding Duration: June 1, 2017 – July 16, 2017.
- Title III Funding for Curriculum Development, “Data Security and Privacy Course Development”, Contributors: Dr. Felicia Doswell; Funded Amount: \$7,500. Funding Duration: June 1, 2016 – July 19, 2016.
- NSU Star Summer Research Grant, “Use of Artificial Intelligence to Improve Facial Recognition Software in Security Applications”, Contributors: Dr. Felicia Doswell; Funded Amount: \$7,500. Funding Duration: June 1, 2015 – July 19, 2015.
- NSU Stars/Massie Summer Research Grant. “Cloud Computing Security Research Exploration”, Contributors: Dr. Felicia Doswell; Funded Amount: \$7,500. Funding Duration: Spring Semester 2013, 2014.
- PVAMU Advance-Paid Seed Grant, “Investigation of Privacy and Security in Mobile Cloud Computing Environments”, Contributors: Dr. Felicia Doswell; Funded Amount: \$20,000. Funding Duration: June 1, 2011 – May 31, 2012.

- BPC-AE: Collaborative Research: The Alliance for the Advancement of African-American Researcher in Computing (A4RC) NSF-CNS 0940285. Contributors: Dr. Felicia Doswell; Funded Amount: \$83,451. Funding Duration: June 1, 2008 – August 31, 2011.

Book Chapters:

- F. Doswell, H. Harley, T. Lewis, C. Seals, and Dr. G. Scales. "Adapting to Life as a Graduate Student: Getting Up to Speed on Information Technology." Published in *Student Guide to Graduate and Professional School Success*. 2000.
- F. Doswell. "Web-Related Careers". Chapter in *World Wide Web Beyond the Basics*. Prentice-Hall. 1998.

Journal Publications:

- **F. Doswell** and S. Clark. Teaching Secure C++ Programming Concepts to Beginners using an Android Mobile Application, IEEE Transactions on Learning Technologies (TLT), submitted December 2016.
- D. S. McCrickard, J. T. Barksdale, and **F. Doswell**. "Understanding cool: An analytic exploration of contributing factors for teens." *PsychNology Journal* 10 (2), pp. 93-102. 2012.
- W. Winchester, D. S. McCrickard, D. Hill, J. Blunt, T. Pugh, M. Monk, J. Kim, and P. Estabrooks, **F. Doswell**. Defining and Exemplifying Culturally Empowered Design: Exploring Mobile Technologies in Health and Wellness in the African American Community. *Journal of Computer Technology and Applications*. 2012.

Peer Reviewed Conference/Workshop Publications:

- J. Rolon, C. Hinds, **F. Doswell**. "Spartanshield: A Layered Defense Against Malvertising" *6th Annual Conf. on Computational Science & Computational Intelligence (CSCI'19)*, Las Vegas, Nevada, December 5-7. 2019.
- **Doswell, F.**, Seals, C., Swanier, C., and Washington, G., Panel Presentation: "HERstory: Untold Stories of Black Women PhDs in Computer Science." *BlackComputHER*, Washington, DC., April 4-7, 2019.
- M. Emeefe and **F. Doswell**. Development of a Campus-Wide Entrepreneurship Platform. Poster Extended Abstract and Presentation. *ADMI 2017*, New Orleans, LA. March 2018.
- E. Carter and **F. Doswell**. Role Playing Game (RPG) for Security Training. Poster Abstract: *ADMI 2017, 1st Place Research Poster Winner*, Undergraduate Poster and Extended Poster Abstract, Virginia Beach, VA. March 2017.
- C. Butler, D. Young and **F. Doswell**. Improving Usability and Accuracy of Facial Recognition Software. Emerging Researchers National Conference in STEM (ERN), **1st Place Research Poster Winner**, Undergraduate Poster and Extended Poster Abstract, Washington, DC. January 2016.
- C. Butler, D. Young and **F. Doswell**. Use of Artificial Intelligence to Improve Facial Recognition Software in Security Applications. LSAMP Symposium, Norfolk, VA. July 2015.
- **F. Doswell** and T. Pugh. Development of a Website to Disseminate Mobile Forensic Laboratory Material. Faculty Paper: *ADMI 2015*, Atlanta, GA. March 2015.
- D. Harris, D. Butts and **F. Doswell**. Evaluating Social Networking Sites for Privacy Leaks. Poster: *Tapia 2015*, Boston, MA. January 2015.
- T. Pugh and **F. Doswell**. Graduate Poster and Extended Poster Abstract: Utilization of Open-Source Tools to Advance Mobile Forensic Curriculum Development, *ADMI Conference*, Virginia Beach, Virginia. April 3-5, 2014.
- D. Harris and **F. Doswell**. Is Privacy Just a Dream for Social Network Users? Presentation Abstract *WBHR-LSAMP Research Symposium*, Hampton, VA. July 15, 2014.
- D. Butts and **F. Doswell**. Research Paper and Presentation: Design of a Comprehensive Tool to Decrease Public Access to Private Social Network Accounts, *ADMI Conference*, Virginia Beach, Virginia. April 3-5, 2014.
- T. Ezekwenna and **F. Doswell**. Design of a Learning Management System for a Mobile Cloud Environment Poster: *Tapia 2014 Conference*, Seattle, Washington, February 5-8, 2014.
- T. Fennell and **F. Doswell**. Design of a Residential Locking Solution using a Mobile Device Graduate Poster and Extended Abstract. April 2013.
- T. Brown, B. McClanahan and **F. Doswell**. Machine Learning in an Online Environment. Poster Abstract *ADMI 2013*. April 2013.
- C. Edmond, D. Piggott and **F. Doswell**. Development of a Mobile Device Application Promoting Physical Activity. Poster Abstract *ADMI 2013*. April 2013.
- D. Scott McCrickard, **F. Doswell**, J. Barksdale, and D. Piggott. "Understanding Cool in Computing for African American Youth". In *Workshop on Cool aX Continents, Cultures, and Communities* (part of CHI 2012), Austin TX, May 2012.

Selected Presentations:

- Rolon, J., Hinds, C., **Doswell, F.** "Spartanshield: A Layered Defense Against Malvertising." 6th Annual Conf. on Computational Science & Computational Intelligence (CSCI'19), Las Vegas, Nevada, December 5-7. 2019.
- **Doswell, F.**, Seals, C., Swanier, C., and Washington, G., "HERstory: Untold Stories of Black Women PhDs in Computer Science." *BlackComputHER*, Washington, DC., April 4-7, 2019.

- F. Doswell. Presentation: Managing Career Transition, Panel Presentation, Tapia Conference, Atlanta, GA, September 20-23, 2017
- F. Doswell. Presentation: Secure Access to Computing. Coalition for Diversity in Computing (CDC) / Academic Careers Workshop (ACW): Presentation on Research in Cybersecurity, Houston, Texas, March 27-31, 2016
- F. Doswell and T. Pugh. Development of a Website to Disseminate Mobile Forensic Laboratory Material. Faculty Presentation: ADMI 2015, Atlanta, GA. March 2015.
- F. Doswell. Presentation: Secure Access to Computing. Coalition for Diversity in Computing (CDC) / Academic Careers Workshop (ACW): Presentation on Research in Information Assurance, Evanston, Illinois, March 27-31, 2014
- F. Doswell. Security and Privacy in Mobile Cloud Computing. Presentation at PVAMU/TAMU Advance PAID Grant Workshop. May 2012.

Student Projects / Thesis and Projects Chaired (Graduate Students who have completed are indicated by a *):

- ***Frederick Mitchell**. Project Title: *Analysis of the Current State of Security of the Internet of Medical Things*. MS.CYS Project, May 2020
- **Aneshia Ricks**. Project Title: *The Lingering Effects of Data Breaches Within the Retail Industry*. MS.CYB Project, Project Implementation in Progress
- **Aliyah Carter**. Thesis Title: *Secure Password Management: Z-Lock*. MS.CS, Thesis Proposal Successfully Defended and Approved by Committee, Project Implementation in Progress
- Undergraduate Senior Project: Cody Mitchell, Senior, Jesse Tawiah-Ampiah, Dameon Turner, “*Early Bird Bot*” Project in Progress
- * **Jermaine Moses**. Project Title: *Using Virtual Reality to Teach Introductory Programming and Secure Coding Concepts*. MS.CS Project, December 2019.
- * **Amber Stingel**. Project Title: *Evaluating Password Usage on Websites using the Apple Standard. Policies*, MS.CYB Project, December 2019
- * Undergraduate Senior Project: Donnie Williams and Marvin Fowlkes, “*Parent Trax Mobile Parental Control Application*”, Project Completed in December 2019.
- * **Romero Hines**. Project Title: *Assessment of Security Knowledge of Users of Mobile Payment Applications*. MS.CYS Project, April 2019
- * **Ashley Williams**. Project Title: *Election Security Preparedness for the State of Virginia Before the 2020 Presidential Election: An Analysis of Electronic Voting Machines*. MS.CYS Project, December 2018.
- * **Nicholas Terrell**. Project Title: *Insider Threats: Awareness and Detection Within Your Organization*. MS.CY Project, MS.CYS Project, December 2018.
- * **Romeo Abrigo**. Project Title: *Early Detection of APTs Using Honeypots*. MS.CYS Project, May 2018
- * **Sampson Mensah**. Project Title: *Integration of Hadoop Multi-Node Cloud Architecture with Aws (EC2) And Hortonworks Data Platform to Provide Data Storage, Management, And Analysis*, April 2017.
- * **Antonio Moore**. Project Title: *Learning UNIX and C through Android Mobile Application (LUCAMA)*, May 2016.
- ***Shaunte Clark**. Project Title: *Development of a Mobile Application to Teach Secure C++ Programming to Beginners*, December 2015.
- * **Terrance Pugh**. Thesis Title: *Utilization of Open-Source Tools to Advance Mobile Forensic Curriculum Development*, May 2014.

Student Conference Research Presentations under Faculty Advisement (Graduate Students Indicated by a *):

- M. Emefele and **F. Doswell**. Development of a Campus-Wide Entrepreneurship Platform. Poster Abstract: ADMI 2018, Undergraduate Poster and Extended Poster Abstract, New Orleans, LA. March 2018.
- E. Carter and **F. Doswell**. Role Playing Game (RPG) for Security Training. Poster Abstract: ADMI 2017, **1st Place Research Poster Winner**, Undergraduate Poster and Extended Poster Abstract, Virginia Beach, VA. March 2017.
- C. Butler, D. Young and **F. Doswell**. Improving Usability and Accuracy of Facial Recognition Software. Emerging Researchers National Conference in STEM (ERN), **1st Place Research Poster Winner**, Undergraduate Poster and Extended Poster Abstract, Washington, DC. January 2016.
- C. Butler, D. Young and **F. Doswell**. Use of Artificial Intelligence to Improve Facial Recognition Software in Security Applications. LSAMP Symposium, Norfolk, VA. July 2015.
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- D. Harris, D. Butts and **F. Doswell**. Evaluating Social Networking Sites for Privacy Leaks. Poster: Tapia 2015, Boston, MA. January 2015.

OTHER PROFESSIONAL ACTIVITIES

- 2020 and 2021 ADMI Conference Program Committee Chair
- 2020 Grace Hopper, 2020 Braid Conference
- 2020 HBCU C2 Center Innovation Academy, Virtual
- 2020 Gateway Workshop - Virtual
- 2020 Sans Training - Virtual
- 2020 Blockchain Training – Virtual
- 2020 Remote: The Connected Faculty Summit – Virtual
- 2020 JSU Online Writing Group - Virtual
- 2020 NSF HBCU- Computer Science Faculty Research Workshop, Hampton, VA
- 2020 NSU SEL 901 Online Training Certification - Virtual
- 2020 NSU LiveScribe Workshop - Virtual
- 2020 NSU MOAT Security and Privacy Training - Virtual
- 2019 SIGCSE Paper Reviewer
- Socio-Cybersecurity Faculty Training Workshop, Norfolk, VA, May 16, 2019
- NSF HBCU- Computer Science Faculty Research Workshop, Hampton, VA, May 31 – June 1, 2019
- 2019 CSinParallel Piedmont Regional Workshop, Winston-Salem, NC, June 17-20, 2019
- Fielding Conclave Leadership Colloquium Reframing Academic Leadership: The Four Frames Model, Chantilly, VA, June 29, 2019

UNIVERSITY SERVICE

University Service Activities	Duration
iOS Mobile Computing and Programming Club Advisor (Established Club 2019-2020)	2019 – Present
University Research Council (Chair 2019-2020)	2017 - Present
CS Faculty Search Committee, Chair (2018 – 2019)	2018 - Present
Cybersecurity Graduate Admissions	2020 - Present
CS Graduate Admissions	2018 - 2020
DNIMAS Recruitment and Interview Committee	2017 - Present
ABET Assessment and Continuous Improvement Committee	2016 – Present
CSET Graduation Academy Committee Member & GAC Coordinator	2016 – Present
CS Graduate Recruitment Committee	2013 – present
University Academic Computing and Communications, Committee, Chair (2017 – 2018)	2012 – 2018
Spartan Seminar Coordinator	2017 – 2018
CS Retention Committee, Chair	2014 – 2018
NSU Faculty Senate Committee (Alternate)	2013 – 2018
CS Faculty Search Committee	2013 – 2018
CS ACM Student Chapter/Student Activities Committee, Faculty Advisor	2013 – 2016

PROFESSIONAL MEMBERSHIP AND SERVICE

- Professional Member of ACM, NCWIT, CSTA, SSWOC, BPCop, WiCyS, Upsilon Pi Epsilon Computer Science Honor Society (Inducted 1998)

AWARDS AND HONORS

- 2020 Departmental Advising Award Honor
- 2020 Gracehopper Conference Fellow
- 2019 Socio-Cybersecurity Stipend Award for Cybersecurity Module Creation, Norfolk State University, Norfolk, Virginia; June 2019
- 2019 Travel Award for selection to participate in the CSinParallel'19 – Piedmont Worksh0p, Winston Salem State University, Winston-Salem, NC
- Goggle Faculty in Residence; Summer Curriculum Development Opportunity (2017)
- Poster and Research Presentation Judge for ADMI (2014-2015)
- CSET Outstanding Research Mentor of the Year (2014-2015)
- Certificate of Appreciation for Supporting Student Activities as ACM Advisor (2015)