

MELISSA DAVIS

EDUCATION

M.S. in Network Infrastructure and Security
Liberty University, Lynchburg, VA
Cybersecurity, Digital Forensics, Network Infrastructure
Liberty University, Lynchburg, VA
2017

B.S. in Industrial Technology
East Carolina University, Greenville, NC
Network Infrastructure, Security, Web Design, Industrial Supervision/Management
2008

A.A.S in Information Technology
A.A.S. in Information Technology/Networking
Vance-Granville Community College, Henderson, NC
Network Infrastructure, Security, Configure/Design Networks
2006

ACADEMIC EXPERIENCE

University of South Carolina Upstate 2018-2024

Director of Cyber Security Lab
ABET Coordinator
Assistant Chair Math and Computer Science Department
Instructor
Advisor
Cyber Security/Networking Lab Coordinator

Courses Taught:

Introduction to computers (CSCI 138)
Software and hardware (CSCI 211)
Networking 1 (CSCI 412)
Advanced Networking (CSCI 512)
Network troubleshooting (CSCI 509)
Digital forensics (CSCI 355)
Intro to Cybersecurity (CSCI 375)
Advance cybersecurity (CSCI 555)
Computer Security (CSCI 455)
Network Security (CSCI 570)
Wireless Networks (CSCI 515)

**assisted in the development of the cyber security curriculum

NON-ACADEMIC EXPERIENCE

Cherokee County School District

Director of Technology

Gaffney, SC

Oversee day to day operations and advancement of educational technology

December 2022-August 2023

City of Rock Hill, SC

Network Services Group Manager/Network Security Engineer

Project led to organize, design, and implement technology requirements. Administrator to a network that covers over 60 square miles, encompassing 33 physical locations, wired and wireless communications. Maintain, update, and monitor firewalls that services all employees, Police, County, Fire, and Utility Crew Connections. Train users in software, devices, and hardware to enhance job efficiency by using technology. Maintain and configure networks to meet PCI, CJIS, and FIPS 140-2 Security Compliances. Assist with fiber patching and repair. Configure and maintain load balancers, multiple ISPs, VPN Connections, NAT rules, and ACLs.

April 2008-July 2018

Full-time

PROFESSIONAL MEMBERSHIPS

- Southeastern US Tech Professionals
- Network Security Communications
- NESC Power and Communications
- Member of Municipal Technology Association of South Carolina

SERVICE ACTIVITIES

- Blacksburg High School Booster Club
- Blacksburg Middle School Improvement Council
- Faculty representative Google Cybersecurity Consortium
- Maintain current lab at USC Upstate for isolating cyber security and networking classes
- Provide tours of the Cybersecurity Lab
- Meetings and events with Eric Gardner for Cyber students to engage in Palmetto Tech Bridge at Naval Information Warfare Center Atlantic
- Involved with the National Security & Government Institute
- Research, assist with purchases, and assist with procurement of a new cybersecurity lab
- Member of Faculty Search Committee

- Research current infrastructure and viable solutions to migrate classes to more current content
- Test networking and security devices for labs
- Assistance with job placement, resumes, and interviewing students
- Interviewee for Freshmen Speech Students
- Managing lab assistant duties
- ABET Coordinator
- Cybersecurity Program Coordinator
- Member of the Student Success and Equity Group headed by Dr. Purdy