Sasha Morgan

(434) 987-2537

smorgcybsec@gmail.com

OBJECTIVE	Eager to contribute expertise in cyber security, data engineering, and AI, driving innovation and safeguarding digital ecosystems

CLEARANCE   Inactive Secret

EDUCATION

M.S, Cyber Security, May 2021
New York University
B.S. Computer Engineering, Minor Cyber Security, May 2019
Virginia Tech

HONORS

New York University Cyber Security Fellowship, 2019-2021
Virginia Tech Computer Engineering Leadership Award, 2019
WiCyS & Facebook Women in Cyber Security Scholarship, 2017, 2018, 2019
Facebook Grace Hopper Celebration Scholarship, 2018

COMPUTER SKILLS

C++	C#	Python
JAVA	Openshift	DevSecOps
Reverse Engineering	Data Engineering	Cyber Security

WORK EXPERIENCE

Data Engineer Sr, Lockheed Martin, Herndon, Virginia, August 2020 – Present
- Developing software and a canonical data model for a common and standardized format for business and application process integrations across multiple organization utilizing the OAGIs Standards, Collibra, and Tibco.
- Leading multiple use case design and implementation. Optimizing end user engagement and training.

Cyber Intelligence Analyst Associate, Lockheed Martin, Herndon, Virginia, August 2019 – August 2020
- Developing a secure continuous integration and delivery system and conducting security assessments on the containers and systems deployed to the Red Hat Openshift Container Platform. Developed windows prototype to exploit software vulnerabilities.

Software Engineering Intern, Lockheed Martin, Rockville, Maryland, May 2018 – January 2019
- Developing analytics software, web scrappers, and reconnaissance tools to collect data. Working to improve data analytics software used for reconnaissance and data engineering.

Web Security Technical Program Manager Intern, Facebook Inc and CodePath University, Blacksburg, Virginia, July 2017 – December 2018
- Received and lead training from CodePath and Facebook on Cyber Security, Social Engineering, Assessment and Monitoring, Securing and Attacking Input and Output, Foot printing and Forgery, Session Hijacking and Fixation, Encryption and User Authentication. Coordinated various university courses and sponsorship opportunities.

Back End Software Development Intern, TwinThread LLC, Charlottesville, Virginia, May 2017 – August 2017
- Developed SQL Databases, visualizations in JavaScript, machine learning technology, and worked on the Industrial Internet of Things sensor system which enabled the creation of a digital twin thread between a machine and the consumer.

PROJECTS

Cyber Fastrack United States Cyber Security Challenge, Virginia Tech, April 2019-Sept.2019
- Participated in the United States Capture the Flag, 1 of 543 out of 13,500 participants in the final round. Challenges included reverse engineering, forensics, web applications security, and network security problems.

Quantum Computing Research, Undergraduate Research, Virginia Tech Hume Center**,** August 2018- May 2019
- Investigating D-Wave quantum computer architecture and algorithms. Conduct mathematical analysis and modeling to form QUBO and develop algorithms and capabilities for quantum computing.

Security System Vulnerability Research, Undergraduate Research, Virginia Tech Hume Center, 2018
- Conducting undergraduate research on the security system of Traffic Cabinets for the Hume Research Center. Duties range from pentesting live targets, conducting literature reviews.

Embedded Software Design Team, Virginia Tech Electrical and Computer Engineering Department, 2018
- Designed an autonomous robot that plays Tic-Tac-Toe. The robot has the capability to draw the game symbols and navigate the gameboard using force sensitive sensors.

ACTIVITES

Intelligence Community Center for Academic Excellence (IC-CAE) Associates, 2017-2019
Women in Cyber Security, 2018-Present
National Society of Black Engineers, 2014-Present

LEADERSHIP

Hypatia and Galileo Residential Learning Community Leadership Team, 2015-2019
Virginia Tech College of Engineering Dean's Team, 2017- 2019
Virginia Tech Electrical and Computer Engineering Department Ambassador President, 2017- 2019