

Colin Murphy

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EDUCATION

Old Dominion University, Norfolk, Virginia- Bachelor's Degree in Cybersecurity (B.S.)

August 2021-May 2025

James River High School, Midlothian, Virginia – High School Advanced Studies Diploma

September 2017- June 2021

SKILLS AND COMPETENCIES

- Understanding of Cybersecurity Basics
- Knowledge of Cybersecurity Policies and Strategies
- Knowledge of computer and security programs and skills (Windows Server, Python, Linux, Word, Excel, PowerPoint, Wireshark, Metasploit, pfsense)
- Working towards my CompTIA Security +
- Planning and Organization
- Leader and Coordinator
- Teamwork
- Adaptability
- Interpersonal Skills

EMPLOYMENT HISTORY

IT Co-op, X39 (Columbia Scheduling), Newport News Shipbuilding, Newport News, Virginia

September 2024- PRESENT

- Assist in the effective planning of the build process of Columbia-class submarines
- Utilize software to display 3D renders/instructions for how each step of the build process is performed.
- Communicate with other departments and co-workers to determine how much time is needed to complete each step.
- Assist with any technical issues

Media Technician, Old Dominion University Webb Center, Norfolk, Virginia

May 2023- PRESENT

- Transport and set-up audio and video equipment for events that occur across the campus of Old Dominion University.
- Work with 2 full-time employees and 7 student workers.
- Ensure set-ups are efficient, neat, and safe.
- Provide assistance for anyone having technical difficulties.
- Assist with scheduling and requests.

Lifeguard/Swim Instructor, Princess Anne YMCA, Virginia Beach, Virginia

December 2022 - March 2024

- Ensure all patrons are safe in the indoor and outdoor pool areas.
- Work with 2-5 guards on each shift.

- Routine cleaning of all pool areas and guard rooms.
- Log chemical levels of the pool hourly.
- Attending monthly Inservice training sessions to help enhance skills.
- Certify young swimmers by giving swim tests.
- Help enhance swimming skills of various age groups.

Lifeguard/Pool Monitor, American Family Fitness, Midlothian, Virginia

June 2022-August 2022

- Ensure patrons practice safe swimming skills on the pool deck.
- Worked with 1 Pool Manager and 2 other monitors.
- Routine cleaning of the pool deck.
- Logging chemical levels of the pools and assisting with adjusting them.

Lifeguard, Atlantic Coast Athletic Club, Midlothian, Virginia

June 2021- August 2022

- Ensure the safety of all patrons present in the indoor and outdoor pool areas.
- Worked with a team of 5-7 guards and a designated team lead.
- Routine cleaning of indoor and outdoor pool areas.
- Hourly logging of chemicals of each pool.
- Attend monthly inservice training sessions to help enhance skills.

HONORS AND AWARDS

Boy Scouts of America, Troop 869

- Eagle Scout (October 25, 2020)
- Buckskin Leadership Training (August 5, 2017)
- Order of the Arrow (June 17, 2017)

Navy JROTC, James River High School

- Stephen Decatur, Junior Award (May 15, 2020)

APPLICATION PROJECTS AND ACTIVITIES

Cyber-Patriots Competitions, Navy JROTC

- Worked with a team of cadets competing against other schools in cyber related challenges
- Analyzed and fixed vulnerabilities in simulated-tampered operating systems and protected them from simulated "Red-Team" attacks
- Completed knowledge tests on Cisco Packet Tracer
- Competed in CTF challenges to locate flags hidden within programs, embed in images/links, and files/folders

Presidential Database Program, CYSE 250 (Intro to Programming in Cybersecurity)

- Create a Python program that can prompt a user to enter a year and return the president in office during that year from 1776-2024
- Ensure the program operates via Client and Server programs to prompt users to create and log into trusted accounts with passwords

- Run and test the program to ensure it's functionality and fix any bugs or errors that present themselves

Colonial Pipeline Case Analysis, CYSE 280 (Windows System Management and Security)

- Perform research on a chosen cyber incident that occurred in the last 10 years
- Explain how the attack was carried out
 - o What exploits were used
 - o Who performed the attack
 - o What was the person's/group's motivation
- What is the significance of the target and what the impact was
- Suggest potential safeguards or critiques regarding how the attack could've been prevented and what to do in the future

EXTRACURRICULAR ACTIVITIES

Boy Scouts of America, Troop 869

March 2014 – February 2021

- Participate in Weekly meetings and plan camping trips and service events
- Volunteer for community service events
 - o CARITAS, Stop Hunger Now, Scouting for Food, Church Cleanup, Eagle Scout Projects
- Uphold positions of leadership to teach and instruct younger scouts

Navy JROTC, James River High School

September 2017 – June 2021

- Participate in weekly labs, uniform inspections, and physical training
- Learn about the fundamentals of teamwork and leadership
- Volunteer for events that support the community
 - o Wreaths Across America, Stop Hunger Now, 9/11
- Partake in after/before school teams to participate in statewide competitions
 - o Athletics, Academics, Drill, Raiders, Cyber-Patriots

Theta Tau – Professional Co-ed Engineering Fraternity, Upsilon Beta Chapter

January 2023 – PRESENT

- Participate in weekly meetings to plan chapter events and discuss critical matters
- Learn about networking and career skills for after college life
 - o Resume workshops, Elevator Speeches, Career Fairs
- Engage in service events to help better the community
 - o Red Cross Blood Drives, Adopt-a-spot, Relay for Life
- Leadership Positions Held:
 - o Regent (Spring 2025)
 - o Vice Regent (Fall 2024)
 - o Marshal (Spring 2024)
 - o Scribe (Fall 2023)