***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 + certification
* 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 ACTIVITES**

**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
	+ What exploits were used
	+ Who performed the attack
	+ 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
	+ 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
	+ Wreaths Across America, Stop Hunger Now, 9/11
* Partake in after/before school teams to participate in statewide competitions
	+ 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
	+ Resume workshops, Elevator Speeches, Career Fairs
* Engage in service events to help better the community
	+ Red Cross Blood Drives, Adopt-a-spot, Relay for Life
* Leadership Positions Held:
	+ Regent (Spring 2025)
	+ Vice Regent (Fall 2024)
	+ Marshal (Spring 2024)
	+ Scribe (Fall 2023)