

AHMED KARGBO

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PROFESSIONAL SUMMARY

Cybersecurity student with hands-on experience in network traffic analysis, secure data validation, Python scripting, security testing, and Cross Domain Solutions. Experienced with analyzing PCAP data, applying security frameworks and controls, developing hardened parsing solutions, and conducting validation and negative testing. CompTIA Security+ certified with a strong academic background in cybersecurity.

TECHNICAL SKILLS

Cybersecurity & Network Tools: Wireshark, Nmap, Metasploit, Splunk, Packet Inspection, Validation Scanning, Audit Logging, Threat Detection

Programming & Scripting: Python, Shell Scripting

Systems & Platforms: Kali Linux, Unix Systems, Windows Virtual Machines, Google Cloud, Virtual Machines

Security & Technical Concepts: Password Hashing, Hardened Parsing, Radar Data Analysis

Frameworks & Standards: NIST SP 800-53, ICD-503, DoDI 8540.01

Additional Tools: Microsoft Excel, Exos Operating System

PROFESSIONAL EXPERIENCE

Kryptos 4 - Newport News, VA

Cross-Domain Solutions Intern | May 2026 - August 2026

- Completed an engineering workflow focused on ASTERIX CAT034 radar system status messages and secure Cross Domain Solutions.
- Researched and synthesized Cross Domain Solution governance frameworks, including DoDI 8540.01, ICD-503, and NIST SP 800-53, and applied them to real PCAP data by extracting, decoding, and validating CAT034 messages.
- Developed a hardened Python parser with strict schema enforcement, FSPEC decoding, length validation, and fail-safe error handling.
- Built a CDS-grade validation and policy pipeline incorporating packet inspection, audit logging, conditional rules, and releasability decisions.
- Produced workflow diagrams, a releasability matrix, and a technical publication documenting secure and standards-compliant radar data processing.
- Conducted security testing involving fuzz testing, malformed message injection, and negative testing.

Old Dominion University - Norfolk, VA

Data & Technology Input, Football Operations | February 2025 - Present

- Input player grades, formations, play-calling, and down-and-distance data using the Exos operating system.
- Troubleshoot system issues and help maintain accurate data flow for coaching staff.
- Maintain organized datasets and assist with performance analytics using Microsoft Excel.

Bloomingdale's - Tysons Corner, VA

Security Officer | June 2024 - August 2024

- Monitored CCTV systems and supported employee and customer safety in a high-traffic retail environment.
- Conducted incident reporting and assisted with loss-prevention investigations.
- Demonstrated strong situational awareness and attention to detail during physical security operations.

EDUCATION

Old Dominion University - Norfolk, VA

Bachelor of Science in Cybersecurity | January 2024 - December 2026

GPA: 3.6/4.0

Activities: Developing Men of Color (DMC), Blacks-in-Cyber

CERTIFICATIONS & AWARDS

- CompTIA Security+ - Active
- Dean's List - 4x