

Isain Cortes, Jr.

Jrdeuno1@gmail.com • (540)-538-3220 • [linkedin.com/in/isain-cortes-jr-594895237](https://www.linkedin.com/in/isain-cortes-jr-594895237)

Professional Experience

CAE in Cybersecurity Community, Augusta, GA <i>Cybersecurity Engineer Contractor (Intern)</i>	Jan 2025 - Mar 2025
<ul style="list-style-type: none">Applied cybersecurity knowledge to real-world scenarios, optimizing AI-driven security solutions by refactoring a Python backend with multithreading, improving system security and boosting question generation speed by 50%. Led a team of five in integrating AI/ML for threat detection and automation. Conducting real-time security assessments with DeepSeek to evaluate external connections.	
Amazon Web Services, Herndon, VA <i>Data Center Technician Intern</i>	May 2024- Aug 2024
<ul style="list-style-type: none">Managed daily operations of Amazon's data centers, ensuring efficiency through hardware inspections, troubleshooting, and minimizing downtime. Collaborated with IT, facilities, and security teams on physical and cloud security initiatives, shadowed SOC and CloudOps teams, and assisted in analyzing security metadata, managing security alerts, and supporting incident response efforts.	
Rappahannock Electric Cooperative, Fredericksburg, VA <i>Cybersecurity Intern</i>	Jun 2022 – Jan 2024
<ul style="list-style-type: none">Monitored security events and responded to incidents in the SOC, supporting proactive threat detection and mitigating email threats, helping reduce KPI response time to under 3 minutes. Administered security platforms (Automox, Proofpoint, PagerDuty), conducted malware analysis, and assisted with network device management, including deploying Sysmon logs and configuring switches/routers.	

Education

Old Dominion University, Norfolk, VA	2025
Bachelor of Applied Science – Cybersecurity	
Germanna Community College, Fredericksburg, VA	2023
Associate of Applied Science – Cybersecurity	

Publications & Research

Security Vulnerabilities in Mobile Operating Systems Used in IoT Devices: An Examination of Current Challenges and Countermeasures
<ul style="list-style-type: none">Published on ODU's Digital Commons. Presented research comparing security vulnerabilities across mobile operating systems (Android, iOS, Windows, and Blackberry) in IoT devices. Proposed countermeasures to enhance access control and encryption standards.

Projects

Localized Ollama AI Tool Through Docker
<ul style="list-style-type: none">Deployed and optimized a localized Ollama LLM through OpenAI and Docker, enhancing usability and integrating it into cybersecurity workflows to improve threat detection and system defenses.

Skills

Certifications: Security+, Network+, CYSA+, AWS – CCP, (Willing to obtain Security Clearence)
Programming languages: Python, SQL, Java
Computer software/frameworks: Google Drive, Microsoft Windows (7-11), Microsoft Defender, Microsoft 365, MacOS, Linux (Ubuntu, Kali), Chrome OS, and Amazon Web Services (EC2, Lambda, RDS, S3, VPC).
Languages: English, Spanish