

ASHLEY JANELLE RABINO

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EDUCATION

University of Maryland, Baltimore County - Cumulative GPA: 3.54/4.00

Baltimore, MD

B.S. in Computer Science, Minor in Sociology

Aug 2022 – May 2026

Relevant Coursework: Active Cyber Defense, Algorithms, Artificial Intelligence, Computer Architecture, Computer Security, Cryptology, Operating Systems

TECHNICAL SKILLS

Operating Systems: Linux, Windows 10/11, Windows Server (2019/2022)

Networking & Security: Group Policy, Network Troubleshooting, Basic Firewall Setup, TCP/IP, VPN Configuration

Software & Tools: Active Directory, Docker, Wireshark, Burp Suite, SysInternals Suite, Microsoft 365

Programming: C/C++, Python, JavaScript, Typescript, React, HTML/CSS, PHP, SQL

PROJECTS

Windows Server Hardening | *Windows Server 2019, PowerShell, IIS, Group Policy*

- Utilized PowerShell and Computer Management to deploy RBAC and configure foundational RDP and IIS FTP services
- Hardened the IIS FTP infrastructure and network by disabling anonymous access, configuring strict NTFS folder permissions, and creating custom Windows Defender Firewall rules to filter and log inbound traffic
- Implemented local group policies to enforce minimum password lengths, cap concurrent RDP sessions, and restrict Control Panel access

Windows Incident Response Simulation | *Windows Server 2022, PowerShell, SysInternals Suite*

- Conducted forensic incident response on a compromise Windows Server environment, analyzing Event Viewer security logs and PowerShell history to identify initial access
- Leveraged SysInternals Suite to isolate a persistent netcat backdoor, identified an unauthorized Windows Service utilized for persistence, and pinpointed data exfiltration over HTTP via firewall log audits

Personal Homelab | *Linux, Docker*

- Deployed a self-hosted home lab on a Raspberry Pi 5, containerizing various services with Docker Compose to manage DNS-level ad-blocking, reverse proxy routing, and service uptime monitoring
- Configured Caddy as a reverse proxy to route and manage traffic, and set up Tailscale to securely access services remotely

Feistel Block Cipher | *Python*

- Designed and implemented a 16-round Feistel block cipher in Python with a custom 4-bit S-box built from $GF(2^4)$ inversion and an affine transform

EXPERIENCE

IoT Cyber Defense Extern

Remote

Extern, Hydroflcient

Oct 2026 – Present

- Building and securing an MQTT-based IoT pipeline using Python, TLS encryption, and device certificates to simulate and protect real-time water monitoring systems
- Conducting security testing, including replay attack simulations and TLS performance benchmarking, identifying vulnerabilities and tuning defenses
- Developing a real-time security dashboard using Streamlit to monitor pipeline health, detect threats, and track system status

Order Fulfillment Associate

Hunt Valley, MD

Wegmans Food Market

May 2024 – Present

- Leader in order fulfillment, consistently ranking in the top 3 storewide for speed and throughput while working under strict time performance metrics

LEADERSHIP & ACTIVITIES

UMBC Filipino American Student Association

Baltimore, MD

President (2024 – 2025), Graphic Designer (2023 – 2024)

- Led an 18-person executive board, coordinating and hosting weekly meetings for a 100+ member student organization
- Collaborated with cross-functional teams, communicating strategic goals as well as event planning and execution for our annual 250+ participant event
- Created 100+ visually pleasing graphics using Canva and Procreate to advertise meetings and events on social media