MAXINE JONES

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https://github.com/Mkjones10

PROFESSIONAL SUMMARY

Cybersecurity analyst with expertise in risk management, network traffic analysis, and system auditing. Proficient in using tools like Wazuh, Zeek, and Wireshark to monitor, analyze, and respond to security incidents. Demonstrates strong skills in operating system security and compliance with frameworks such as NIST 800-53 and ISO 27001, ensuring robust defense-in-depth and effective incident response.

EDUCATION

West Virginia University Aug 2025 - Aug 2026

Master of Science, Business Cybersecurity
- **Achievements:** Hands-on learning through the Evans Cybersecurity Lab, including "Red Team vs. Blue Team" simulations and a live client capstone project
- **Coursework:** Cybersecurity Information Systems Management, Business Cybersecurity Analytics, Business Cybercrime Management **Chicago State University Aug 2019 - May 2025**

Bachelor of Science, Computer Science
- **Achievements:** Leadership: President, Computer Science Club | President, WiCyS Chapter | Founder, Girls Who Code College Loop
- **Coursework:** Computer Networks, Network Security, Operating Systems, Software Engineering

WORK EXPERIENCE

UNITED AIRLINE May 2024 - Aug 2024

JR SYSTEM ENGINEER INTERNSHIP
- Supported timely vulnerability remediation by adding remediation dates, enhancing IT security posture and aligning with SIEM integration practices.
- Utilized Qualys for vulnerability detection and management, applying operating system security measures and incident response protocols.
- Collaborated with team members to develop innovative solutions for mitigating security incidents such as Inadvertent Slide Deployment (ISD), leveraging TCP/IP knowledge and analytical skills.
- Enhanced understanding of cybersecurity practices by proactively managing vulnerabilities and leveraging enterprise SIEM integration.
- Refined technical capabilities in vulnerability analysis, server patching, and utilization of cybersecurity tools, with a strong foundation in Linux and Windows Server administration.
- Strengthened expertise in enterprise vulnerability management and SIEM investigation to support effective security event monitoring and audit processes.

CHICAGO STATE UNIVERSITY Jan 2025 - Apr 2025

HIGH SCHOOL HACKATHON ORGANIZER
- Coordinated with three local high schools to organize a campus hackathon, engaging 55 students and 5 teachers.
- Created event flyers, managed student outreach, and conceptualized the event to promote STEM education.
- Strengthened departmental outreach efforts and showcased university programs to prospective students.

TECHNICAL PROJECTS

IT Audit Planning Project
- Created an external IT vulnerability management audit proposal for West Virginia University ITS, defining scope, risk management framework, roles, and an 8-week audit timeline.
- Evaluated enterprise systems (STAR, eCampus/Blackboard, Gmail/MIX, Microsoft 365) for secure configuration and compliance gaps, and developed phased audit activities (policy review, tool demos, fieldwork, analysis, and reporting) to improve confidentiality, integrity, and availability (CIA) posture.

Network Traffic Risk Assessment Using Simulated Attacks
- Engineered a network traffic risk assessment system using Python and Scapy to simulate attack scenarios (e.g. SYN floods, ICMP sweeps).
- Captured and logged over 3,000 packets in SQLite, applied a NIST-aligned scoring model to classify traffic anomalies by risk level, and produced detailed reports on threat detection metrics (false positives, detection rate).
- Designed audit phases: policy definition, data collection, anomaly classification, compliance mapping (NIST CSF/800-171), and

executive reporting to enhance confidentiality, integrity, and availability (CIA) posture.

TECHNICAL SKILLS:

- **Security Tools**: Wazuh, Zeek, ZUI, Wireshark, Burp Suite, Nmap, John the Ripper, Security Onion, Network Monitoring Tools, Incident Response
- **Languages & Frameworks**: Python, Bash, Java, SQL, HTML/CSS, Data Analyst Skillset
- **Networking & Systems**: Linux (Ubuntu/Kali), Cisco Packet Tracer, Windows Server, Operating System Security, TCP/IP Knowledge, Analytical Skills
- **Compliance & Frameworks**: NIST 800-53, ISO 27001, PCI-DSS, HIPAA

CERTIFICATION

CompTIA Security+ (SY0-701) — *CompTIA, Issued Oct 2025*

- **Validation Number: 721621578 |**