



# KINGSLEY C. NDUKAUBA

[Kayceendukauba@gmail.com](mailto:Kayceendukauba@gmail.com) | Bowie, MD

## Summary

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Security & Audit Professional specializing in risk-based auditing, internal controls, and secure architecture. Leverages a Data Science background to drive threat intelligence and predictive risk modeling. Committed to maintaining high-compliance standards through precise documentation. Seeking an IT Audit or Security Analyst position.

## Skills

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- Python
- Java
- JavaScript
- C
- R
- Linux/Unix
- Windows 10/11
- OS Internals
- Patching
- Logging
- Threat detection models
- YARA Rules
- NIST Cybersecurity Framework
- Risk Management Framework
- ISO/IEC 27001
- AI Risk Assessment
- Supply Chain Risk Management using NIST SP-161
- Zero Trust Architectures using CISA ZTMM
- FedRAMP knowledge
- VirtualBox
- VMware Workstation
- Hack-The-Box
- LeetCode
- PowerShell
- Bash
- MySQL
- PostgreSQL
- TCP/IP
- DNS
- DHCP
- Firewalls
- Active Directory
- User/Group Administration
- Routing
- Switching
- IDS/IPS
- Network Segmentation
- Git/GitHub
- Wireshark
- Microsoft Excel/Office 365

## Experience

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Kearney and Company

**Information Technology Audit Intern**

06/2026 – Current

- Collaborated with IT teams to analyze system configurations, access controls, and cybersecurity practices for comprehensive audit insights
- Assisted in IT audit processes, conducting risk assessments, control testing, and compliance reviews to support senior auditors
- Documented findings and prepared workpapers, contributing to audit reports to ensure accuracy and adherence to regulatory standards

Mount St. Mary's University | Emmitsburg, USA

**Information Technology Help Desk**

05/2025 - Current

- Delivered frontline technical support to 50+ students, faculty, and staff weekly, diagnosing and resolving hardware/software issues with a 90% first-contact resolution rate.
- Installed, configured, and maintained desktops, laptops, printers, and peripherals, achieving a 25% reduction in recurring technical issues through proactive maintenance and updates.

- Documented incidents in the university's ticketing system and collaborated with Tier 2/3 teams to resolve escalated cases, ensuring follow-up on all tickets and enhancing user satisfaction scores.

Mount St. Mary's University | Emmitsburg, USA

### **Tech Assistant – Palmieri's Activity Center**

09/2024 - 04/2025

- Managed daily technical operations for the university's main event center, ensuring on-time launch of 20+ large-scale campus events without disruptions.
- Set up lighting, sound, and mic systems under tight deadlines, adapting to last-minute changes for seamless event execution.
- Maintained audiovisual equipment and provided technical guidance to event staff, improving overall operational readiness.

Mount St. Mary's University | Emmitsburg, USA

### **Data Analyst Intern**

08/2024 - 12/2024

- Analyzed large university datasets related to facilities, student engagement, and event operations, translating findings into actionable recommendations that reduced bottlenecks by 15%.
- Developed visualizations and dashboards in Excel, enhancing decision-making speed for administrators.
- Collaborated with faculty on data cleaning, ensuring datasets were accurate and well-documented for future analysis.

CareFirst Arena | Washington, USA

### **Event Production Assistant & Time-Out Coordinator (Freelancer)**

11/2025

- Organized, repaired, and secured broadcast cables and technical equipment during pre-event setup for a major basketball game, ensuring a smooth production environment.
- Managed media time-outs as Time-Out Coordinator, communicating with production staff to maintain the event's broadcast flow.
- Assisted in setting up event spaces for concerts and sports events.
- Coordinated equipment rentals and deliveries with vendors and service providers.
- Supported event staff during setup, execution, and breakdown phases.

## **Education**

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Mount St. Mary's University | Emmitsburg, MD

**Bachelor of Science** in Computer Science & Cybersecurity, Data Science

*Expected in 05/2027*

## **Websites, Portfolios, Profiles**

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- LinkedIn: <http://www.linkedin.com/in/kingsley-ndukauba-0a28982b4>
- GitHub: <https://github.com/Kndukauba>
- Portfolio: <https://kndukauba.github.io/Kingsley-C.-Ndukauba-Portfolio/>

## **Projects**

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### **WinLogTracker: Windows Security Event Log Monitoring Tool**

Python, pywin32, Windows Event Logs, <https://github.com/Kndukauba/WinLogTracker>.

- Developed a Python-based Windows Security Event Log monitoring tool that detects suspicious system activity, including failed logon attempts (Event ID 4625), successful logons (4624), and security log clearing (1102).
- Implemented incremental log processing with persistent state tracking (JSON) to prevent duplicate event analysis.
- Utilized the Windows Event Log API via pywin32 to parse and classify security events in near real-time.

- Designed a lightweight alerting system for security-relevant events, demonstrating principles used in intrusion detection and SIEM monitoring systems.

### **Syscall Simulation: Simulated System Calls Using Interprocess Communication (IPC)**

Visual Studio, C

- Implemented IPC using named pipes on Windows.
- Utilized function pointers (jump tables) to simulate and interrupt vector table.
- Processed multiple function codes and returned responses.
- Developed a better understanding of how system calls conceptually work.

### **Anatomy of an Executing Program Research**

Visual Studio, C, Process Explorer, VMMap, Procmon

- Conducted a deep analysis of process creation and memory mapping.
- Analyzed process-loaded libraries, syscall trace evidence, and redirected file creation evidence.
- Created architectural modeling that demonstrated findings and analysis, which included the loader and process initialization, system call execution path, interrupt and driver completion, and virtual memory layout.

## **Activities**

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### **MPC Programming Club Leader**

- Led weekly coding sessions with 10+ members, focusing on problem-solving in Python, Java, and JavaScript.
- Organized peer-led workshops and Clash of Code challenges through Discord to improve members' collaboration and programming skills.

### **Cyber Defense Club Member**

- Competed in the National Cyber League (NCL) Fall 2025, developing hands-on skills in cybersecurity challenges.
- Applied knowledge of cryptography, open-source intelligence, web exploitation, and forensics to solve real-world security scenarios.
- Strengthened technical expertise in Linux command-line operations, network traffic analysis (Wireshark), and vulnerability scanning tools.
- Attended the CCSC Annual Conference at Arcadia University and competed in the Capture the Flag competition, enhancing technical proficiency in cryptography, forensics, and other cybersecurity fields.