

# Francis Boampong

Network Security Student | Future Cybersecurity Professional  
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## Profile

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Driven cybersecurity student combining hands-on IT support experience with formal education in network security, system hardening, and vulnerability assessment. Committed to defending digital infrastructure with technical expertise, clear communication, and proactive problem-solving. Actively mentor peers in cybersecurity workshops and compete in National Cyber League capture-the-flag events.

## Education

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### Bachelor of Arts in Computer Science (Cybersecurity Emphasis)

University of Colorado Colorado Springs, CO

In Progress

### Associate of Applied Science in Network Security

Pueblo Community College, Pueblo West, CO

May 2023

Relevant Coursework: Vulnerability Assessment, Firewalls & Network Security, TCP/IP Fundamentals, Windows Server Configuration, Disaster Recovery Planning, Linux/Unix Systems.

## Certifications

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- CompTIA Security+ March 2023
- CompTIA Network+ May 2023
- Cyber Defense Certificate (PCC)
- Networking Certificate (PCC)
- Information Assurance Certificate (PCC)

## Professional Experience

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### IT Work-Study Student

Pueblo Community College, CO

Aug 2022 – May 2023

- Troubleshoot device issues, network connectivity, and performance for 200+ lab workstations
- Installed, maintained, and repaired hardware, software, and peripherals per institutional standards
- Deployed PXE imaging solutions, reducing lab setup time by 50%
- Managed Active Directory provisioning, software licensing, and upgrade documentation

### Fulfillment Associate

Amazon, Colorado Springs, CO

2021 – Present

- Ensured warehouse network device functionality, troubleshooting real-time connectivity issues
- Balanced high productivity with strict safety and data-protection requirements

## Selected Projects

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- **PXE Imaging & Data Migration** — Led campus lab deployments using PXE boot servers and automated imaging at PCC
- **Network Vulnerability Assessment Lab** — Conducted OpenVAS and Wireshark scans, authored formal reports with remediation recommendations
- **National Cyber League** — Solved capture-the-flag challenges in cryptography, forensics, and web exploitation; ranked in top 30%
- **Raspberry Pi Traffic Visualizer (In Progress)** — Building real-time network traffic display on Raspberry Pi 5 with LCD, inspired by GlassWire
- **Pi-Hole DNS Ad-Blocker (In Progress)** — Deployed self-hosted Pi-Hole server to block ads and malicious domains at the DNS level
- **Cybersecurity Mentor** — Organized and led weekly peer workshops in network security and vulnerability assessment

## Technical Skills

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Operating Systems: Sys-Kali Linux, Fedora, Ubuntu, Windows Server 2019

Networking: TCP/IP, DNS, DHCP, VLANs, Wireshark, OpenVAS

Security Tools: Vulnerability Assessment, Penetration Testing Labs

Scripting: Bash, Python (Foundational)

Administration: Active Directory, System Hardening

Documentation: Technical Writing, Reporting, Inventory Management

## References

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Available upon request.