Kokou Eklou-Agnide

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EDUCATION

Clayton State University, Morrow, GA — Expected May 2027
Bachelor of Science in Computer Science | GPA: 3.56 / 4.00
Relevant Coursework: Computer Networks, Operating Systems, Database Systems, Data Structures & Algorithms, Computer Programming

TECHNICAL SKILLS

Data Center & Hardware: Server Rack Installation & Decommissioning, Server Maintenance, Hardware Break-Fix, Structured Cabling (Cat6), Fiber Optic Splicing, PC Hardware Assembly, Diagnostic Tools, Asset Tracking & Auditing
Networking: Layer 1/2 Troubleshooting, TCP/IP, DNS, DHCP, VLANs, Trunking, Inter-VLAN Routing, Layer 3 Switching, Subnetting, Routing & Switching, Cisco IOS, Cisco Packet Tracer, Wireshark, Scapy, Firewalls (UFW/iptables), Network Monitoring
Operating Systems & Virtualization: Linux/Unix Administration, Ubuntu, Debian, Raspberry Pi OS, Windows 10/11, Windows Server, Proxmox VE, KVM/QEMU, LXC Containers, SSH
Programming & Tools: Bash / Shell, Python, Pandas, SQL, Java, C
Operations: Root Cause Analysis, Troubleshooting, Technical Documentation, Incident Response, Cybersecurity Fundamentals, Teamwork

CERTIFICATIONS

Google IT Support Professional Certificate | ISC2 Certified in Cybersecurity (CC) | Cisco CCNA (Expected December 2026) | Fiber Optic Splicing Training (Sumitomo Electric Lightwave / AWS) | CodePath Cybersecurity 101

EXPERIENCE

IT Support Specialist (Volunteer) — Grace Baptist Bible Church, Riverdale, GA | Aug 2022 – Present
- Perform hardware break-fix and troubleshooting on endpoints, printers, wireless presentation equipment, and AV hardware across the facility.
- Troubleshoot network devices on the local LAN and perform hardware upgrades and OS patching.
- Support multi-channel audio/visual hardware and live-stream feeds, maintaining 99%+ uptime during live broadcasts.
- Resolve end-user issues promptly and document troubleshooting procedures to speed up future incident response.

Inventory Control & Quality Assurance Agent — Amazon, Union City, GA | Dec 2021 – Sep 2025
- Audited high-volume inventory through cycle counts, maintaining 99%+ record accuracy.
- Used scanners and inventory databases to trace root causes of physical and system discrepancies and documented findings per QA standards.

ACTIVITIES

Hardware Support (Hands-On) — ATDC North Star AI Lab
- Broke down and decommissioned server racks, removing and handling server equipment in a hands-on, physical environment.

Server Maintenance (Hands-On) — Cybersecurity Lab, Clayton State University
- Worked alongside the lab assistant on server maintenance and hardware tasks in the university cybersecurity lab.

TECHNICAL PROJECTS

Mini Data Center Network Lab — Cisco Packet Tracer, Cisco IOS, VLANs, Inter-VLAN Routing
- Built a mini data center network with a Layer 3 core switch, two access switches, two servers, and an admin PC segmented into three VLANs; configured trunks, access ports, SVIs, and inter-VLAN routing on Cisco IOS.
- Verified connectivity with ping and HTTP tests and troubleshot using show vlan brief, show interfaces trunk, show ip route, and Simulation Mode.

MetaRoCE: Endpoint-Centric RDMA Transport for AI Ethernet Fabrics — Co-Authored Survey Paper, Clayton State University
- Co-authored a survey and critical analysis of Meta's MetaRoCE protocol, covering RoCEv2 limitations (PFC, ECMP, congestion control) and comparisons with MRC and Ultra Ethernet.

Enterprise Virtualization & Homelab — Proxmox VE, Linux, Virtual Networking
- Built and deployed an enterprise-style virtualization environment on bare-metal server hardware, including physical setup, Cat6 cabling, and network connections.
- Provisioned Ubuntu Server VMs and LXC containers; implemented storage pools, snapshots, and automated backups.
- Configured Linux network bridges, static IP schemes, and secure remote management via OpenSSH and web GUIs.

Linux-Based Edge Home Server — Raspberry Pi OS, Linux CLI, Networking
- Configured a lightweight edge server for local network services; automated service management with Bash backup scripts and hardened it with SSH key authentication and UFW/iptables rules.

AI-Assisted Network Anomaly Detection — Python, Scapy, Pandas
- Built a traffic analysis tool that processes PCAP captures and network logs to flag anomalous activity such as port scans and DoS attempts.