

Hyuntae Yoo

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EDUCATION

Purdue University

Cybersecurity, Network Engineering Technology

August 2020 – December 2026

West Lafayette, IN

EXPERIENCE

Cybersecurity Intern

Sinapsis AI

November 2025 – Present

London, UK (Remote)

- Prepare ISO/IEC 27001 audit documentation and policy materials covering access control, network segmentation, remote access, and secure administration requirements.
- Support technical planning for Windows domain services, domain-joined test VMs, DMZ VLANs, firewall rules, certificate requirements, and authentication controls for audit readiness.

Network Engineering Aide

Purdue University

January 2025 – Present

West Lafayette, IN

- Coordinate network service requests involving equipment provisioning, service updates, and decommissioning across campus network environments.
- Assist network engineers with fiber infrastructure work, including field coordination, connectivity verification, and documentation updates for campus network projects.

Undergraduate Teaching Assistant

Purdue University

August 2024 – May 2025

West Lafayette, IN

- Guided 18 students on Windows System Administration projects per semester.
- Evaluated assignments and projects, providing detailed feedback to enhance student understanding and skills.

IT Specialist (Sergeant)

Republic of Korea Air Force

November 2021 – August 2023

Gangneung, South Korea

- Configured and repaired endpoints across internet, intranet, and private network environments in support of military operations.
- Troubleshoot hardware, software, and connectivity issues using established technical procedures and escalation workflows.
- Supported mission-critical operations in a military environment requiring accuracy, reliability, and rapid response.

PROJECTS

Hybrid Cloud Cybersecurity and Network Infrastructure Lab

December 2025 – Present

- Designed and configured a segmented hybrid lab using OCI, VMware ESXi, UniFi Gateway, VLANs, and DMZ boundaries to isolate management, internal services, and public-facing environments.
- Configured a lightweight Kubernetes (K3s) environment for an incident response training lab, including secure service exposure, DNS/HTTPS access, and blue-team alert response workflow testing.
- Hardened administrative access paths using Tailscale subnet routing, UniFi firewall policies, Linux UFW, and CGNAT-aware tunneling to reduce exposed management surfaces.

CERTIFICATIONS

LPIC-1: Linux Administrator | Linux Professional Institute

Valid through April 2028

AWS Certified Cloud Practitioner | Amazon Web Services

Valid through November 2028

TECHNICAL SKILLS

- **Networking & Infrastructure:** VLANs | DMZ Design | Network Segmentation | DNS/DHCP/NAT | Forward/Reverse DNS Zones | IPv4/IPv6 | STP/SNMP | Wireshark | Cisco/Juniper/Aruba | UniFi | pfSense | Wireless | Fiber
- **Systems, Cloud & Services:** Linux Administration | Windows | VMware ESXi | OCI/AWS | Kubernetes (K3s) | Tailscale | LibreNMS | Email Protocols | Proxy Servers | Load Balancing
- **Security:** Firewalls/ACLs | IAM | UFW | Kali Linux | Secure Remote Access | TLS/HTTPS | S/MIME | PKI/Cryptography | Digital Forensics | IDS/IPS