Arthur WALLOIS

Systems & Network Engineering Student | Cybersecurity Focus
Seeking 2027 International Internship

Lille, France
Phone +33 6 36 49 13 24
Email arthurwallois5@gmail.com
arthurwallois.com
linkedin.com/in/arthurwallois | github.com/azmogoo

Summary

Systems and network engineering student with 3 years of apprenticeship experience in production IT environments. I combine hands-on infrastructure, monitoring, backup and endpoint security experience with a strong cybersecurity focus developed through engineering studies, personal projects and work on EDR, firewalls, CTI deployment and incident handling. Seeking a 2027 international internship.

Technical Skills

Systems & Infrastructure: Windows Server, Linux, Active Directory, Exchange, WSUS, LAPS, ManageEngine Endpoint Central, Docker

Networking: DNS, DHCP, VPN, VLANs, FortiGate, Cisco Meraki, Kemp, Stormshield, Sophos

Security: SentinelOne, Tenable, KnowBe4, WithSecure, Vectra NDR, EDR, CTI, firewall administration, security audits

Monitoring: PRTG, ManageEngine OpManager, alert handling, infrastructure supervision

Backup & Continuity: Veeam Backup & M365, Nakivo, Object First, IBM, disaster recovery, restore testing

Virtualization & Cloud: VMware vSphere, ESXi, snapshots, AWS, EC2, S3, IAM, VPC

Scripting: PowerShell, Python, Go, Bash, C, Java

Experience

Systems and Network Engineer Apprentice — **Sep 2025 - Present**

BY THE WAY - Vendeville, France — Apprenticeship

- Contribute to systems and network engineering on production infrastructure, including VMware virtualization, Docker, AWS cloud services and disaster recovery planning.
- Administer and review firewall configurations across FortiGate, Stormshield and Cisco Meraki environments.
- Support operational security with SentinelOne EDR, Vectra NDR, Tenable and related security tooling.
- Deployed an internal cyber threat intelligence (CTI) solution to support threat tracking, documentation and security awareness.
- Participate in datacenter operations, infrastructure supervision and business continuity activities.

Systems and Network Administrator Apprentice — **Oct 2024 - Sep 2025**

BY THE WAY EXPLOITATION - Vendeville, France — Apprenticeship

- Monitored production infrastructure using PRTG and ManageEngine OpManager, contributing to alert handling, incident follow-up and service availability.
- Supported backup and recovery with Veeam, Nakivo and Object First, including monitoring, troubleshooting and restore testing.
- Contributed to endpoint and network security using SentinelOne, WithSecure and firewall technologies.
- Administered Windows Server, Linux, Active Directory, Exchange, WSUS, LAPS and endpoint tools; automated recurring checks with PowerShell.

Helpdesk Technician Apprentice — **Sep 2023 - Oct 2024**

CAPEONI - Valenciennes, France — Apprenticeship

- Provided Level 1 and Level 2 IT support, handling incidents, requests and technical troubleshooting.
- Built foundations in systems, networking and incident management that supported a transition toward systems and network administration.

Cybersecurity Projects

specter (Go) - PCAP analyzer with flow reconstruction for beaconing, DNS tunneling and DGA-like domain patterns.

sigwatch - Static malware triage for PE/ELF/Mach-O files: entropy scoring, string extraction, signature rules and IOC matching.

vaultscan - Secret scanner for source repositories; detects cloud keys, tokens and private keys with regex, entropy checks and SARIF export.

Education

Engineering Degree in Computer Science, Systems, Networks & Cybersecurity — **Sep 2025 - Sep 2028**
Junia ISEN - Lille, France

Undergraduate Studies in Computer Engineering — **Jul 2023 - Sep 2025**
ESGI - Lille, France

Languages & Volunteer Experience

French: Native | **English:** Professional proficiency
Certifications: SentinelOne Incident Responder (Jan 2026), Security Administrator (Dec 2025), Purple AI (Jan 2026)

Volunteer Firefighter - SDIS 62, Pas-de-Calais, France — **Oct 2022 - Present**
Emergency response experience requiring teamwork, discipline, composure and decision-making under pressure.