

# Nelson THOMAS

## NETWORK AND TELECOMMUNICATIONS STUDENT

Passionate about systems, networks, and IT security, I am motivated to contribute to the technical challenges of tomorrow. I am currently looking for a work-study program for the start of the 2026 academic year.

### QUALIFICATIONS AND TRAINING

#### BACHELOR OF SCIENCE IN NETWORKS AND TELECOMMUNICATIONS

2023 - ongoing | IUT of Blagnac (31), France

- Cybersecurity course

#### Projects completed during studies :

- Integrative project : Implementation of a computer network for a paramedical practice over a period of one month within a team of eight students. Use of a type 1 hypervisor for hosting services (ToIP, web, messaging, Windows Server).
- Design of a multi-site network organised around an MPLS core. Security via NAT, ACL, IPSec VPN, IPv6 over IPv4, and drafting of a report explaining our choices over a two-month period in pairs. Network simulation using the GNS3 tool.

#### DOUBLE DEGREE : FIRST YEAR

2022 to 2023 | Paul Sabatier University, Toulouse, France


- Mathematics and Computer Science Course (MIDL)


#### FRENCH HIGH-SCHOOL DIPLOMA


2022 | Ernest Ferroul High-School Lézignan-Corbières (11), France

- With a distinction

 31700 BLAGNAC, France

 B Licence

 Car Owner

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### LANGUAGES

#### ENGLISH

B2 : Advanced 

TOEIC : 845 points

### CERTIFICATIONS

Networking Academy : **Ethical Hacker (2025)** CISCO



CCNA : **Switching, Routing and Wireless Essentials (2025)** CISCO

### INTERESTS

#### SERVER ADMINISTRATION

NAS management, self-hosting of services (web, private cloud, multimedia), and security.

#### CAPTURE THE FLAG CHALLENGES


Learning and challenges via TryHackMe, HackTheBox, RootMe

#### PHOTOGRAPHY

Showcasing nature, animals and monuments, captured via drone photography

### OTHER SKILLS

#### ADMINISTRATION AND NETWORKS

- Linux, Windows, Windows Server 2019 
- TCP/IP, UDP, DHCP, DNS, FTP, SSH, SMTP
- VLANs, Network Segmentation
- Static and dynamic routing (RIP, OSPF)
- Firewall, Fortinet, iptables, DMZ, VPN (IPSec)
- IDS/IPS, SIEM
- NAT/PAT
- Network analysers : Nmap, Wireshark



#### PROGRAMMING



- Python, C, Shell Linux, HTML/CSS
- VMware, Docker, Proxmox
- phpMyAdmin, MySQL/MariaDB



### PROFESSIONAL EXPERIENCE

#### NETWORK TECHNICIAN INTERNSHIP

April to June 2025 (10 weeks), IUT of Blagnac (31)

- **Proxmox solution deployment and management** : Setup and management of virtual machines and services via Proxmox: configuration of the virtualisation environment, resource management, clustering and deployment in production in the IUT server room.
- **Automation of image deployment via multicast (FOG PXE)** : Development of a Bash script integrating the API of a FOG server to automate the deployment of images on workstations in practical training rooms. Reduction in machine redeployment time from 60 minutes to approximately 10 minutes.
- **Implementation of a SIEM solution (Wazuh)** : configuration, host integration for network incident detection, vulnerability scanning and hardening of educational system masters.