

MAIA PEREIRA PIERRE

01/12/2005
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À PROPOS

Network & Telecommunications Engineering student (specializing in Internet of Things and Mobility) with a strong focus on systems architecture and infrastructure security. Proficient in the entire technical value chain, from IoT device design (C++/LoRa) to the deployment of secure networks (Sophos/Cisco). Committed to designing innovative, reliable, and protected technological solutions.

COMPÉTENCES

- Development & Systems: C/C++ (low-level), Python (AI/Automation), Linux (Administration & Scripting), Docker, Git.
- IoT & Connectivity: LPWAN (LoRa), Bluetooth, Wi-Fi, MQTT, Embedded Electronics.
- Systems: UNIX/Linux, Windows, Virtualization, Containerization.
- Networking & Security: Cisco Architecture, Sophos Firewalls, VPN, ACL, VLAN, OSPF Routing, Monitoring.
- Soft Skills: Adaptable, works effectively both in teams and independently.
- Languages: French (Native), English (B2 level).

EXPÉRIENCES PROFESSIONNELLES

Stage/CDD Administrateur Systèmes et Réseaux (Unimédia – Angers)

Mars 2026 à Août 2026

- Technical support for users, administration of Microsoft 365 environments, and rights/account management via Active Directory.
- Supervision and operational maintenance of Internet access, DNS zone management, and routing equipment optimization.
- Firewall administration (WatchGuard), deployment of secure remote access (VPN), implementation of multi-factor authentication (MFA), and infrastructure security (VLAN segregation, SSO, 802.1x).
- Preparation, migration, and on-site installation of enterprise telephony solutions (3CX), including Interactive Voice Response (IVR) configuration and softphone integration.

Network & Telecommunications Technician Intern (Adeatec – Tours)

April 2025 – July 2025

- Deployed and configured network infrastructures using Sophos and Cisco equipment for higher education institutions (SSH, ACL, VLAN, DMZ, Redundancy, OSPF).
- Performed hardware and software diagnostics, maintenance, and troubleshooting for users.
- Managed users and groups via Active Directory: account creation, permission management, and access monitoring.

Multipurpose Employee (La Cave des Gourmandises – Montrichard Val de Cher)

May 2022 – February 2026

- Sales and customer advisory, store setup, and order preparation.

FORMATION

- **Bachelor of Technology (BUT) in Networks & Telecommunications**
Specialization: Internet of Things and Mobility (IOM) (Blois) 2023 – 2026
- **High School Diploma (BAC STI2D) Specialization: Digital & Information Systems (SIN) (Tours) 2020 – 2023**

PROJETS TECHNIQUES

Smart Gate Portal

Designed a prototype combining 3D printing, programming (Python, C++, PHP), wireless communication (Wi-Fi, Infrared), and data logging (MQTT, MySQL).

Facial Recognition Door

Developed a biometric authentication system (Python, OpenCV) on an embedded Raspberry Pi platform.

Secure Network

Designed and configured complex enterprise networks (OSPF, VLAN, DMZ, ACL) on physical Cisco equipment and Packet Tracer simulators.

DIPLOMES

- AFGSU 2 – 2025
- CCNA 1 – 2024
- PERMIS B – 2024
- BAC STI2D SIN – 2023