

Riyad Benalyech

Applied Computer Science Student — Cybersecurity, Networking, Systems Administration & Digital Consulting

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PROFILE

Third-year Applied Computer Science student at Odisee (Brussels), specializing in Cybersecurity, Networking, Systems Administration and Digital Consulting. Trilingual (FR/NL/EN), I have gained hands-on knowledge in web development, applied AI and virtualized infrastructure through several academic projects. Rigorous and self-driven, I am seeking a February-May 2027 internship to apply my technical skills within an IT team.

EDUCATION

Bachelor in Applied Computer Science — Specializations: Cybersecurity, Networking, Systems Administration, Digital Consulting | Odisee, Brussels | since 09/2024 (3rd year)

Secondary Education — IT Track | Institut Regina Pacis, Laeken | 09/2017 – 06/2024

PROFESSIONAL EXPERIENCE

IT Intern | Wemmel Town Hall | 01/2024 – 02/2024

- First-line IT support and user assistance
- Installation and configuration of workstations
- Management of user requests (basic tickets)

ACADEMIC PROJECTS

VMware vSphere Infrastructure | Virtualized environment with live migration (vMotion)

- Design of a virtualized enterprise infrastructure: two nested ESXi hosts, vCenter Server, Active Directory domain, shared iSCSI storage, with a live VM migration demonstration performed without service interruption.

Stack: VMware ESXi, vCenter, Active Directory, DNS, iSCSI, Windows Server

MirrorHire | AI-powered job interview simulator

- Web application enabling users to practice job interviews with an AI recruiter, featuring automated scoring across 4 axes (communication, expertise, motivation, stress management) and a trilingual interface.

Stack: Node.js, Express.js, Groq API (LLaMA 3.3 70B), REST API

PingFin (Bankius) | Interbank payment processing banking platform

- Application combining a React frontend and a Node.js/Express backend, simulating a complete interbank payment system (Originating Bank → Clearing Bank → Beneficiary Bank flow), with a layered backend architecture (Repository / Services).

Stack: React, Vite, Node.js, Express.js, MySQL, Docker Compose

TECHNICAL SKILLS

Programming Languages: JavaScript, TypeScript (basics), C#, SQL, HTML/CSS

Frameworks & Libraries: React, Node.js, Express.js, Vite

Databases: MySQL, SQL Server, phpMyAdmin

Systems & Networking: Windows, Linux, Active Directory, DNS, VMware ESXi/vCenter, iSCSI

DevOps & Tools: Docker, Docker Compose, Git / GitHub, command line

AI & APIs: LLM integration (Groq API), prompt engineering, REST APIs

Office Software: Word, PowerPoint

AREAS OF EXPERTISE

Cybersecurity: Access security and authentication (Bearer tokens), secure handling of secrets and API keys, Active Directory/DNS hardening, basic risk analysis and network security best practices.

Systems Administration: Windows Server & Active Directory administration, VMware ESXi/vCenter virtualization, shared iSCSI storage, live migration (vMotion), DNS management and network infrastructure.

Digital Consulting: Business needs analysis and translation into technical solutions, Business Model Canvas, SWOT/TOWS/DESTEP analysis, competitive analysis, technical communication to non-technical audiences.

LANGUAGES

French: native | Dutch: advanced | English: good working knowledge