Antoine REY

IT Engineering Student at ENSEEIHT, France
Passionate about computer science, I joined ENSEEIHT to develop my knowledge and skills in the field of computer science.

Contact

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Languages

English : B2
Spanish : A2

Skills

- **JAVA**
- **Docker**
- **Python**
- **LINUX**
- **C**
- **Git**
- **Ocaml**
- **VHDL**

Interests

- Cybersecurity
- IT Conferences
- Programming

Soft skills

- Communication
- Perseverance
- Intellectual curiosity

ACADEMIC PROJECTS:

Parallel download service (Java)
- Development of a parallel download service allowing clients to upload and download files simultaneously from multiple sources.
- JAVA, RMI, Web Sockets

UART on FPGA Nexys4 DDR (VHDL)
- Design and implementation of a UART (Universal Asynchronous Receiver/Transmitter) on FPGA for managing computer serial ports as an Input/Output controller.
- VHDL, FPGA

Simulation of an autonomous system (Docker)
- Development of an autonomous system (AS) integrating a DNS service, a DHCP addressing service for clients, and a corporate infrastructure with a DMZ.
- Docker, Docker-compose, Wireshark

EXPERIENCES:

Member of the NET7 association
Participation in **CTFs** with pony7 (top 31 of France on CTFtime 2024)
Volunteer at the **Capitole du Libre** and the **Toulouse Hacking Convention**

Internship in Japan, Summer 2024
- 3 weeks of Japanese language courses
- 4 weeks of professional internship in a Japanese hotel

EDUCATION:

Toulouse INP-ENSEEIHT, 2023 - 2026
Computer Science Engineer, specializing in System and Network Architecture

Pierre de Fermat High School, 2021 - 2023
"Classe préparatoire aux grandes écoles", Field MP2I-MPI

Le Ferradou High School, 2018 - 2021
"Baccalauréat général" with honors
Specializations: Mathematics, Digital and Computer Sciences