



# 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**
- **Python**
- **C**
- **Ocaml**
- **Docker**
- **LINUX**
- **Git**
- **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

### Development of a mini operating system for x86 PCs (C)

- I implemented the core components of an operating system, including basic input/output management (keyboard and display handling), interrupt management, process management, and virtual memory management for processes.
- C, Assembly

### 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