

Léo RACLET

[Portfolio](#) | [LinkedIn](#) | [GitHub](#) | [Root-Me](#)

Saint-Etienne
leo.raclet@gmail.com

PROFESSIONAL EXPERIENCE

President of the Robotics Association Projet&Tech

2024 - 2025

- Task organization and team management
- Robot design and development with association members
- Training of first-year students in robotics and related tools/technologies
- Administrative management and partnership development

Alternatives Energies

May 27, 2024 – August 2, 2024

Intern

La Rochelle, France

- Developed an automated data collection, processing, and analysis system using Python
- Built a web interface using Django to interact with a PostgreSQL database
- Configured and customized several Grafana dashboards
- Set up a production environment with Debian on a server and deployed the project using Docker

Hubert Curien Laboratory

April 17, 2023 – July 21, 2023

Research Intern

Saint-Etienne, France

- Hardware implementation (VHDL/FPGA) of elementary math functions used in post-quantum cryptography
- Created a Python program to interact with the FPGA on the ChipWhisperer board
- Compared and verified multiple implementation strategies
- Performed side-channel attacks on the implemented designs

EDUCATION

Engineering Degree - Electronics and Telecommunications (in progress)

Saint-Etienne, France

Télécom Saint-Etienne

2023 – Present

- Copper/fiber/antenna telecommunications – Modulation and coding
- Programmable logic circuits – Embedded systems

DUT GEII and L2 Engineering Degree (Integrated Prep)

Saint-Etienne, France

Télécom Saint-Etienne

2021 – 2023

TECHNICAL SKILLS

Technologies : Python, C / C++, SQL, VHDL, HTML, CSS, JS, Bash

Tools : Grafana, Quartus, Altium, Github, Git, Docker, Django, PostgreSQL

Systems : STM32, Arduino, Linux, Windows, Raspberry Pi, NixOS

Languages : French, English (**TOEIC: 925**)

PERSONAL PROJECTS

Fractal Generator

C++, SFML, OpenGL, Git

[Source Code](#)

- A C / C++ program that generates and explores stylized fractals
- Used SFML and OpenGL to enable real-time zooming

ACTIVITIES AND INTERESTS

Sports and Travel

- **Sports:** Basketball (Player and Referee) – Table Tennis – Weightlifting
- **Travel:** China – Scotland – Italy – England – Ireland – French regions – La Réunion

Cybersecurity and Cryptography

- Solved numerous challenges on the Root-Me cybersecurity platform, totaling 4,990 points - **1,277 / 250,000** -
- Participated in several CTFs, including HeroCTF 2023 and 404CTF 2024 - **Ranked 61st** -