

# Mathias Rosa

## CONTACT

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### GitHub

[github.com/mathias-rosa](https://github.com/mathias-rosa)

## INTERESTS

Design

UX/UI

Web Development

Travelling

- Road trips in Northern America and Europe

Cultural school trip in Greece

Airplane Industry

Cooking

## PROFILE

French **Engineering student** in **computer science** at **ENSEIRB-MATMECA** seeking a **12-week Internship** from **June 2024** to **September 2024**.

Currently in my 4<sup>th</sup> / 5 year in the French higher education system.

## EDUCATION

### **ENSEIRB-MATMECA**, Bordeaux Graduate School of Engineering

2022 – .

Masters-level engineering degree in computer science. In Bordeaux, France

Study interests: Mathematics, Programming paradigms, Data Structures and Algorithms, DBMS, Internet and Networks, Software Engineering, Systems and applications.

### **Prépa des INP, La Réunion**

2020 – 2021

Intensive undergraduate course leading to French graduate Schools.

Study interests: Mathematics, Physics, Computer Science, Economy, Chemistry, Biology, Geology, English, Spanish, Sport and Communication.

### **French High School diploma (Baccalauréat)**

2017 – 2020

in Lycée Le Verger, La Réunion, France

Study interests: Mathematics, Physics, Computer Science, Chemistry, Biology, Geology, French, English, Spanish, Latin, Sport, History, Geography.

Specialty: Computer Science

Option: European English Class

## WORK EXPERIENCE

### Internship at **"Département de La Réunion"**

May 2022 – June 2022 ( 6 weeks )

DBMS mapping.

### Internship in the Webmaster department at **"Carif-Oref Réunion"**

February 2017 ( 1 week )

Learning the Joomla CMS.

## COMPUTER SCIENCE SKILLS

**Programming:** Python, JavaScript, TypeScript, Vue, React Native, HTML, CSS, C, C++, Java, LaTeX, Bash

**OS :** Windows, Linux

**Softwares :** Git, Figma, MS Office, Relational Databases, Mongo DB, VMware...

## LANGUAGES

**French** – Native

**English** – Fluent

**Spanish** – Working knowledge

**Portuguese** – Beginner level

**German** – Beginner level

## STUDENT COMMITMENT

### Junior Enterprise – AEI (Aquitaine Électronique Informatique)

Chief information officer

- In charge of IT system and applications
- It support
- Board member

### Students' association – BDE

Communication, Co-Web Manager

- Social networks management
- Websites management
  - Development of a Food delivery website
  - Design and development of a payment app
  - Development of a switchboard service
  - Development of a shotgun application for mentees
- Poster design
- Student event organization

### Video Club – Club VOST

Stage manager

- Filming, Editing
- Stage management for in-school presentations and concerts

## PERSONAL PROJECTS

Development and Maintenance of a website offering different tools to the students of "La Prépa des INP" in La Reunion.

- Tech Stack: Python (Flask, Selenium...), HTML, CSS, JavaScript

## ACADEMIC PROJECTS

- Development of a CRM for the Schools' Junior Entreprise applying the **agile method** within a team of 7 students.
- Development of a carpooling website in **FastAPI**, **VueJS** and **MySQL**
- Implementing the Amazons game in C to learn **advanced C programming techniques** and **graphs**.
- Development of a Tower Defense game in **TypeScript** using the functional programming paradigm.
- Generic board games implementation in C