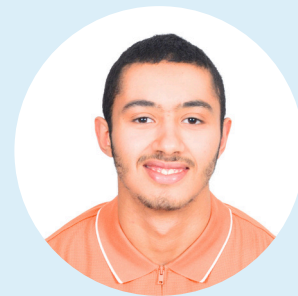# YASSINE **SAFRAOUI**

FUTURE EMBEDDED SYSTEMS ENGINEER

Looking for **6 months internship** starting from February

PROFILE

I am a student at the engineering school PHELMA specializing in Embedded Systems and Connected Objects. I am looking for a 6 months internship in this domain to enrich my expertise.

HARD SKILLS

- Real-time OS programming - FreeRTOS
- State-based Control systems
- Embedded systems programming / Microcontrollers
- Parallel programming / multi-threading
- Low-level programming C/C++   • Git
- GDB & Valgrind debugging   • Python
- Java / OOP   • Linux / bash scripting

SOFT SKILLS

- Adaptability to new environments
- Self learning   • Autonomy
- Problem solving   • Critical thinking

EXPERIENCES

10 WEEKS INTERNSHIP AT LIGLAB - 2024

Investigating migration from Moodle REST API to GraphQL

8 WEEKS INTERNSHIP AT VITSOLUTIONS - 2023

Building SharePoint REACT Webparts and Low Code POWERAPPS

ROBOTICS COMPETITION - 2019

Robotics competition at UM6P University

CONTACT

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✉ yassine.safraoui@phelma.grenoble-inp.fr

ACADEMIC PROJECTS- 2024

COMPILER PROJECT

Development of a compiler for language DECA with Java. Development of a Deca library to create Gameboy games

C SPELL CHECKER

Implementation of different spellchecking algorithms and data structures with C and benchmarking them

C MESSAGING CLIENT

C Implementation of a client for a messaging server using system V IPC mechanisms

CONTROL SOFTWARE FOR NXP CUP CAR

Programming the control software for the NXP Cup car(Microcontroller based) with C and FreeRTOS

PERSONAL PROJECTS

- Synchronization between E-learning platform Chamilo and Google Drive: NextJS - RabbitMQ - Typescript
- Advent of Code 2024: Rust, Python, Algorithms and data-structures

EDUCATION

2023-2025

PHELMA - ENGINEERING SCHOOL IN PHYSICS, ELECTRONICS AND MATERIALS - GRENOBLE (FRANCE)

SEOC Branch - Embedded Systems and Connected Objects

2021-2022

LYDEX - BENGUERIR (MOROCCO)

Intensive undergraduate studies - Technical Sciences and Technologies specialization(TSI), includes Maths(Linear algebra).

HOBBIES

- Chess(ELO 1700)   • Music Production   • Judo

LANGAGES

- English - C1   • French - Bilingual   • Arabic - Mother tongue