Yassine Hajem

High Performance Computing and Big Data student

A versatile, analytical and diligent student, with a pragmatic approach of "getting things done", who always perseveres to achieve the best results.

Currently pursuing an engineering degree in High-Performance computing and Big Data and seeking a final study internship, compatible with my career goals.

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🏠 31400, Toulouse

🪪 Driving licence (B)

📱 +33 7 66 89 79 54

🔗 E-portfolio

Education

Engineering course Digital Sciences (High-performance computing and Big Data)

Toulouse Institute of Technology - ENSEEIHT

2022 - 2025   *Toulouse-France*

- Successfully tackled complex computer challenges, employed tools and languages for data analysis, and implemented Big Data solutions to extract valuable insights from datasets.
- Having gained advanced skills in programming, data analysis, and HPC infrastructure management.
- My practical experience and projects include: simulating and configuring an internet network, creating a custom chess game, and participating in a data analysis project that involved implementing advanced techniques like PCA and SVMs.

Preparatory University Cycle for Grandes Écoles

Toulouse III Paul Sabatier University

2020 - 2022   *Toulouse-France*

- Expertise in programming (Java, C, Python) and operating systems (Linux) acquired during my education.
- Skills in problem-solving, algorithm design, and data structures for efficient computing solutions.
- Practical experience and projects include: conducting a statistical study on engineering and HR professions, overhauling the university's schedule and room management program…

Professional experiences

Engineering Internship in Optimization and Optimal Control

Institute for Research in Computer Science of Toulouse (IRIT)

06/2024 - 09/2024   *Toulouse-France*

- Implementation of a benchmark library using OptimalControl.jl to solve optimal control problems.
- Performance evaluation of optimization solvers, focusing on computation time and the efficiency of automatic differentiation.

Versatile Team Member

Lidl France

06/2021 - 08/2024   *Toulouse-France*

Private driver

RK transports

06/2022 - 08/2022   *Toulouse-France*

Soft-skills

- ✓ Stress management
- ✓ Autonomy and versatility
- ✓ Team work
- ✓ Curious and responsible

Computer skills

Use of computer software
Word, Excel, PowerPoint, Photoshop

Proficiency in programming languages
Java, C, Python, Pascal , Ada

Use of script languages
Matlab, R, Julia, OCaml

Familiarity with UNIX Shell commands
Bourne Shell

Use of web programming tools
HTML, CSS, JavaScript, Jsp

Languages

English: C1

French: C1

Arabic: mother tongue

Spanish: A2

German: A2