

# [ RAOUF HECHAM ]

## Full Stack Developer

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 Montpellier, France

### PROFILE

26 years old Full Stack Developer with a Ph.D. in Artificial Intelligence. Highly skilled in Java (Spring), Typescript (Angular), and Python (Flask).

### KEY SKILLS

Java Spring Typescript  
Angular SASS HTML  
Python Flask SQL  
MongoDB PHP Laravel  
Git

### LANGUAGES

- English (C2): Fluent
- French (C2): Bilingual
- Arab: Native

### LIFE PHILOSOPHY

My philosophy in life is simple: "Find the pattern; Optimize it.". I enjoy using my attention to detail to optimize and facilitate solutions to challenging problems.

### EXPERIENCE

#### Research and Development Engineer

University of Montpellier - LIRMM



Aug 18 - Jul 19



Montpellier | France

Built a platform for collective decision making. It allows real-time collaboration between multiple stakeholders with conflicting preferences.

- Implemented a modular architecture across entire stack (20k+ lines of code) while overseeing the deployment, documentation, and deliverable reports.
- Implement Spring REST API along with collaboration support using websockets and publish the different modules to maven repository.
- Implement Angular Material front-end with graph visualization and interaction features.
- Tools: Angular (Typescript, HTML, SASS), Spring (Java), MongoDB, Websockets, Docker.

#### Teaching Assistant

IUT Montpellier



Oct 15 - Jul 19



Montpellier | France

Tutoring and lecturing duties (+300h) for undergraduate students.

- Intoduction to Databases (92h).
- Human-Computer Interaction (173h).
- Web Development (24h).
- Tutoring: 5 Bachelor's student groups.

#### Junior Full Stack Developer

Open Management System



Sep 14 - Aug 15



Constantine | Algeria

- Implemented a user polling website using Laravel/PHP.
- Implemented a scheduling tool with replicated database using Java/MySQL for a language training school.

### EDUCATION

#### Ph.D. in Artificial Intelligence

University of Montpellier



Sep 15 - Jul 18



Montpellier | France

Reasoning with conflicting knowledge within various domains such as Databases, Data Quality, Semantic Web, Argumentation, and Human Reasoning.

#### Master's Degree in Computer Science

Rank: 1/76

University of Abdelhamid Mehri



Sep 13 - Jul 15



Constantine | Algeria

Implemented a tool for the classification of individuals in fuzzy ontologies by calculating the membership degree and displaying the results in a colored directed graph.

### NOTABLE CERTIFICATIONS AND AWARDS

- Ph.D. Excellency Scholarship:** for graduate students with outstanding curriculum.
- Cirta-Science-III Astronomy Award:** first place in the Cirta Astronomy contest.
- DALF C1:** Advanced French Language Diploma - C1.
- Valedictorian:** Bachelor's and Master's degree.