

# HAKIM OUHIDA

## Research Internship or Software Engineering Internship

Available as of 01/04/2022 - 6 months internship

✉ [Hakim.Ouhida@grenoble-inp.org](mailto:Hakim.Ouhida@grenoble-inp.org) ☎ +33 6 46 35 40 50 / +212 6 49 69 62 30  
📍 520-560 rue des Universités DOMAINE UNIVERSITAIRE 38406 ST MARTIN D HERES  
🌐 <https://hakim-ou.github.io/myWebsite/> [in linkedin.com/in/hakim-ou-340038191/](https://www.linkedin.com/in/hakim-ou-340038191/)



## WORK EXPERIENCE

### Research Intern

#### Laboratoire LISTIC - University Savoie Monc Blan

📅 May 2021 - September 2021 📍 Remote internship

- Designed and developed a proxy to a distributed cache using Redis as back-end and Bloom filters for content discovery
- Used asynchronous programming in Python (asyncio) to meet performance requirements
- Deployed the code in Docker images on Dockerhub and AWS ECR

## PROJECTS

### Deca Compiler

📅 January 2021 - February 2021

Development of a Deca compiler while adapting the agile method. Deca is a sublanguage of Java defined by our teachers.  
Tools: Java, Assembleur, ANTLR, Git, JUnit, VSCode, Latex (Doc)

### NoQ (No Queue)

📅 November 2020 - December 2020

Design and development of a native Android application (and an associated API) for turn taking.  
Tools: Android Studio, PHP, SQL, Git, JSON

## EDUCATION

### Exchange Student / Erasmus+

#### Imperial College London - Computing Department

📅 October 2021 - Today 📍 London, UK

- Architecture and Security
- Scalable systems
- Reinforcement Learning, NLP, ML for Imaging

Engineering degree, Computer Science

#### Grenoble INP - Ensimag

📅 September 2019 - Today 📍 Grenoble, France

- Networks & Security
- Computer architecture and Operating systems
- Information theory and Cryptography
- Statistics / Graph theory
- Programming, Concurrent programming and Optimization

Preparatory classes, MPSI

#### CPGE - MOHAMMED VI HighSchool

📅 September 2017 - July 2019 📍 Kenitra, Morocco

- Mathematics, Physics, Engineering sciences and Informatics
- Ranked 89 out of 7121 candidats in the "Concours Commun INP"

## OBJECTIVE

Passionate international student, with keen interest in distributed system. Seeking to work on very challenging missions, develop my skills, expand my knowledge, and leave a good mark anywhere I work and on the world later.

## TECHNICAL SKILLS

### Most important

Concurrent programming, asynchronous programming, decoupling

### Programming languages

JAVA, C, PYTHON

### Web and Mobile

Android Studio, PHP, SQL, HTML/CSS, JavaScript

### Others

Redis, Docker, Git, Bash, Vim, Linux, LaTeX

## GENERAL SKILLS

### Languages

Arabic (mother tongue)  
English (TOEFL Score 102)  
French (C2)  
Spanish (A2-B1)

### Driving License

B category

## MAIN INTERESTS

Distributed Systems  
Cloud Computing  
Systems Design  
Systems optimization for Machine Learning

## CERTIFICATIONS

### Cloud

AWS Certified Cloud Practitioner

## VOLUNTEERING

### AFEV

Support of young students with educational difficulties. Active since November 2020.