

Salma ELHASSIKA

Intellectually curious and detail-oriented programmer looking for an exceptional experience in a growing company.

Diplomas and trainings:

Mastère Spécialisé « HPC-AI »

MINES Paris -PSL Paris, France / Depuis septembre 2022

- **Scientific Computing Project Management** :Software engineering for scientific computing ,Development environments ,Oriented-object programming
- **Methods for Scientific computing** :Approximation, interpolation and integration of PDEs ,Linear algebra for data science and scientific computing , Algorithm complexity and scalability
- **High performance architecture and programming** :Technologies, hardware ,Parallel programming techniques on the CPU ,Parallel programming techniques on the GPU
- Machine Learning algorithms** :Statistics and probabilities , Numerical algorithms for machine learning
- **High Performance Algorithms and Deep Learning** :Deep Learning algorithms and architectures , Data processing platforms (Hadoop, Spark) , Massive data visualization techniques and tools
- Numerical modelling and simulation** :Discrete systems ,Continuous systems ,Optimization and inverse problems ,Stochastic and statistical methods ,Signal and image processing
- Digital Society** :HPC society ,Digital and intellectual property ,Data ethics ,Virtualization and security

State engineering diploma,

Ecole Hassania des Travaux Publics (EHTP) Casablanca, Maroc / De 2019 à 2022

-**Mathematics**: Operations Research, Numerical Analysis, Data Analysis

-Computer science: Databases, Object-oriented programming

CPGE MPSI-MP (ranking : 120/3000 at CNC)

Elkhansae Casablanca, Maroc / De 2017 à 2019

Baccalaureate in Mathematical Sciences (A). Mention Very Good.

Anisse Casablanca, Maroc / De 2016 à 2017

Extracurricular activities

Présidente

HITC(Hassania IT Club) #We make it happen - / De 2020 à 2021

President of a programming club(with more than 50 member) that aims to spread the spirit of computing by providing training in different areas (**programming languages, computer graphics, IT Security ...**), Meanwhile, the club, ensures the training and preparation of members for **real projects**.

Organisation de CODEIT5.0

HITC(Hassania IT Club) #We Make It Happen - / De 2020 à 2021

More than 200 participants, CODE IT is an opportunity for young people interested in programming to meet and test their ability to solve different algorithmic problems by coding them afterwards, our competition is intended as an annual event that works tirelessly to allow you to discover and encourage the genius of young Moroccans in this field.

Winner for the 2nd edition of Social Entrepreneurship Weekend

P-Curiosity Lab- Um6P-Startgate Ben Guerir, Maroc / De 2019 à 2020

During three days of **Hackathon** with my team, we managed to be the **1st Winners** of the edition by the **Startup** :Raghif Amal

Expériences professionnelles

the establishment of the digital model of a mixed bridge in Benin

EIC , SOGEA SATOM BENIN -- / De février 2022 à juin 2023

Using **Revit** and **Python**, we succeeded in establishing a BIM model of the mixed bridge

Stability study of a dam in Morocco

LPEE -- / De juillet 2021 à septembre 2022

Follow-up of the building site with the establishment of the detailed planning

SGTM -- / De juillet 2021 à septembre 2021



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Assets:

Dynamic-Curious

Sens d'organisation

A taste for challenge

Innovative - Creative

Team spirit and sharing

Sense of commitment

Compétences

SQL

Power BI

Python ,C , JavaScript

Pandas, TensorFlow , Keras,
Numpy , Matplotlib

Matlab

Langues

Anglais

Français

Arabe

Areas of interest

Passionate with video games

Programming

Reading Personal Development
Books

Photography and Photoshop

Piano

Travel

Social networks

in @salma-elhassika-a39b41

p @salmaelhassika10/