ISMAIL HATIM

Github   🌐 Website   in LinkedIn

✉ ismail.hatim@student-cs.fr

MsC in Artificial Intelligence Student
Currently looking for a Master Internship

TRAINING & ACADEMIC HISTORY

CentraleSupélec - MsC in Artificial Intelligence   **Gif-sur-Yvette, France**

Artificial Intelligence training in Machine Learning and Deep Learning and Stochastic Optimization   September 2024- Today

- Research oriented Master thesis
- Core courses: Machine Learning, Decision Modeling, Optimisation for Machine Learning and Deep Learning
- Elective courses: Reinforcement Learning, Natural Language Processing, Reinforcement Learning and Network Science Analytics.

ENSEA - École Nationale Supérieure De l'Électronique et de ses Application   **Cergy, France**

Engineering training in Analog and Digital Electronics and Computer Science   September 2019- February 2023

- Specialization in Computer Science and Systems
- Courses taken: Software Engineering, Parallel Programming, Operating Systems and Algorithms

LYCÉE CHAPTAL - Preparatory class for the Grandes Écoles   **Paris, France**

Maths Physics and Engineering Sciences then Maths Physics star class   September 2017– June 2019

- Specialization in Computer Science

LYCÉE FRANÇAIS LYAUTEY   **Casablanca, Maroc**

- Scientific Baccalaureate specializing in Computer and Digital Sciences, with honors   June 2017

ACADEMIC AND TECHNICAL PROJECTS

CentraleSupélec - Lab Project : Fairness in Generative Graph Machine Learning   **Gif-sur-Yvette, France**

- Designed and implemented an evaluation pipeline of fairness in GeML models, focusing on architectures like VGAE and diffusion models.
- Utilized PyTorch Geometric to manage graph data structures and build GNN architectures for tasks such as node classification.
- Collaborated with CVN and Inria OPIS, with guidance from researchers to align the project in AI ethics and fairness.

CentraleSupélec - AI Challenge   **Gif-sur-Yvette, France**

- Developed a heuristic AI for a board game implementing algorithms like Alpha-Beta pruning, with potential for more complex strategies.

ENSEA - Cross-disciplinary software project   **Cergy, France**

- Creation of a clone of the "Terraforming Mars" board game in C++, featuring simple, heuristic and advanced AI.

PROFESSIONAL EXPERIENCE

POLARYS- Business Intelligence consulting firm   **Paris, France**

Business Intelligence Consultant affiliated with various missions   February 2023 - September 2024

- **Christian DIOR Couture: Tech Lead** within an AGILE project for data visualization:
  - Optimization of KPIs calculation times on PowerBI (DAX query execution times).
  - Integration of data into PowerBI data flows, and management of dataset updates.
  - Production of an automated daily report for the Americas execution committee.
- **Eaton Corporation :** Configuration of payroll data flows using SaaS **beqom:**
  - Creation of the global architecture for data integration pipelines on Azure Data Factory.
  - Development of SQL stored procedures for ETL.
- **Ardian**: Migration of an integration solution (private equity company):
  - Integration architecture for the various flows (SSIS).
  - Parameterization of the solution using configuration files.

LOGIQ DIGITAL AFRICA- Digital Marketing Agency   **Casablanca, Morocco**

Trainee Digital Marketing Project Manager Assistant   May 2022– August 2022

                                    4 months

- Participation in a project to create an internal Web platform:
  - Web design and content addition
  - Search Engine Optimization (SEO)
- Participation in a project to develop a lead retrieval application for a banking institution:
  - Drafting of detailed functional specifications
  - Design wireframes (functional interface mock-ups) of the application

SKILLS

Computer skills:

Programming Languages: Python, Java, SQL, C, C++, Libraries: Pytorch, Pytorch Geometric, TensorFlow, Scipy, Keras.

Softwares: PowerBI, Azure Data Factory

Languages: French & Arabic (Native), English (score TOEIC: 875), Spanish (Notions)

ACTIVITIES

- Sport: Surfing, Calisthenics
- Music: Piano (15 years of practice and participation in various events such as concerts and performances) , Guitar, Saxophone and Singing