

LOOKING FOR A 3-4 MONTHS INTERNSHIP IN ARTIFICIAL INTELLIGENCE STARTING MAY 2022



MARWAN MASHRA

mashra.fr
 [linkedin.com/in/marwanmashra](https://www.linkedin.com/in/marwanmashra)
 github.com/MarwanMashra
 14/10/1998
 (+33)7 67 81 14 49
 marwan.mashra@gmail.com
 21 rue Andre Maginot 13 309
91400, Paris, France

SKILLS:

Areas of interest

Deep learning, Computer vision, NLP,
Ethics of AI

Soft skills

Leadership, Teamwork, Communication
skills, Time management

Machine Learning Tools

Scikit-Learn, TensorFlow, Keras, PyTorch,
Gensim, Transformers, pandas, NumPy,
NLTK, OpenCV, PIL

Programming languages

Python, JavaScript, C/C++, Java, PHP,
SQL/MySQL, HTML/CSS

Technologies & Frameworks

Docker, MongoDB, Apache Spark, Hadoop,
Map/Reduce, Flask, LaTeX, jQuery

Collaboration Tools

Git, Deepnote, Overleaf, Trello, Jira, Asana

Environments & IDE

Linux, Anaconda (Jupyter), VScode, Eclipse

Programs & Softwares

Word, Excel, PowerPoint, Premier Pro

LANGUAGES:

English Fluent (TOEIC 920 | 2022)
French Fluent (DELFI B2 | 2018)
Arabic Native Language

INTERESTS:

Weight lifting
Running
Traveling

EDUCATION

2021 (enrolled)	Master – Artificial intelligence
Paris, France	University of Paris-Saclay
2018 - 2021	Bachelor – Computer science
Montpellier, France	University of Montpellier
2017 - 2018	French Language
Montpellier, France	Accent Français

AWARDS

HACKATHON – TECHNICAL EXCELLENCE by TotalEnergies

Mars 2022

My team and I took part of the Hackathon organized by Hi! PARIS Center, winning the **1st prize** for the **Technical Excellence** awarded by **TotalEnergies**. In less than 48h, we developed an AI solution that uses **Computer Vision** to detect a car in an image and estimate its CO2 emission, obtaining the **highest score** in the competition among 16 teams.

INTERNSHIPS & WORK EXPERIENCE

SOFTWARE ENGINEER INTERN

July 2021 - August 2021

LIRMM – RESEARCH LABORATORY, Montpellier, France

- Created a vocal assistant application in Python with a microservices architecture.
- Implemented and built Docker images for the different components of the application.
- Used TensorFlow to build and deploy a machine learning model for emotion recognition.
- Implemented the application in a Raspberry Pi.

WEB DEVELOPER INTERN

June 2020 - July 2020

LIRMM – RESEARCH LABORATORY, Montpellier, France

- Designed a digital version of Labo DataViz presented in 2019 by UQAC.
- Created an interactive web interface with JavaScript, Python, HTML/CSS.
- Created a Database with MongoDB for the platform.

APP DEVELOPER INTERN

June 2019

PERFORM VR – PROJECT FIT IMMERSION, Montpellier, France

- Helped optimizing a virtual reality android application.
- Helped Improving the correction algorithm of the de la gyroscope drift.

RESEARCH EXPERIENCE

RESEARCH STUDENT - TRUSTAI

November 2021 - January 2022

University of Paris-Saclay, Paris, France

TRUSTAI challenge aims to address the issue of discriminatory biases in machine learning. During my research internship, I examined the literature on ethics of AI prepared the data for the challenge.

- Inspected and reviewed the scientific literature on the ethics of AI.
- Studied different forms of discriminatory biases and metrics for evaluating fairness.
- Explored and analyzed multiple datasets that can be used in the TRUSTAI challenge.
- Built a pipeline to preprocess and format the dataset and produced several visualizations.

PROJECTS

SENTIMENT ANALYSIS

February 2022

A sentiment analysis for Amazon reviews using Bert, embeddings, and other NLP approaches

- **Tools:** Python, Scikit-Learn, NumPy, Pandas, Matplotlib, seaborn, Imblearn.

TO-BE CHALLENGE

November 2021

Machine learning challenge, Medical imbalanced data classification, CodaLab

- **Tools:** Python, Scikit-Learn, NumPy, Pandas, Matplotlib, seaborn, Imblearn.

AERIAL CHALLENGE

December 2021

Machine learning challenge, multi-class geographic image classification, CodaLab

- **Tools:** Python, Scikit-Learn, Tensroflow, NumPy, Pandas, Matplotlib.

LABO DATAVIZ

June 2020 - July 2020

Interactive web platform, University of Montpellier

- **Tools:** JavaScript, Python, HTML, CSS, MongoDB, jQuery, Flask, anime.js.

GEOSCAPE

January 2020 - April 2020

Web platform scraping subreddit EarthPorn for images, University of Montpellier

- **Tools:** Python, JavaScript, HTML, CSS, MongoDB, jQuery, Flask, NLTK, Trello.