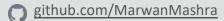


MARWAN MASHRA



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14/10/1998

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21 rue Andre Maginot 13 309

91400, Paris, France

SKILLS:

Areas of interest

Deep learning, Computer vision, NLP, Ethics of Al

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 (DELF B2 | 2018) Arabic Native Language

INTERESTS:

Weight lifting Running Traveling

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

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

My team and I took part of the Hackathon organized by Hi! PARIS Center, wining 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

November 2021

December 2021

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

Machine learning challenge, Medical imbalanced data classification, CodaLab

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

AERIAL CHALLENGE

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.