




IKNE OMAR



Master-Level Data Science Student

Data Science student looking for a 6 month internship in Machine Learning starting March 2022.

WORK EXPERIENCE

- 2021 | Data Science Intern** April 2021-July 2021
Automatic Construction of Biological Interaction Models within Marine Ecosystems using LFIT (Learning From Interpretation Transition) framework.
 - Data pre-processing.
 - Rules improvement using data augmentation and Pareto front.
 - Building an influence graph from the improved rules.
 - Publication of an extended abstract & poster session at an international conference. CRISTAL(Centre de Recherche en Informatique, Signal et Automatique de Lille) - Lille, France
- 2019-2020 | Intern in Computer Science** November 2019-January 2020
Design and implementation of the computational part for an intravenous infusion simulation application using Matlab.
 VALUTEC(Center for Innovation and Technological Testing) - Valenciennes, France
- 2019 | Industrial Engineering Intern** June 2019 - August 2019
A two-month internship at the printing company Manufacture d'Histoires Deux-Ponts.
 Manufacture d'Histoires Deux-Ponts - Grenoble, France

ACADEMIC PROJECTS

- 2020-2021 | Research Project** October 2020-March 2021
Harmonization of brain MR signal using Machine Learning models (Random Forest).
 - Data pre-processing.
 - Dataset construction using the ComBat tool.
 - Building the "Neuroharmony" tool from scratch to harmonize brain MRIs. CHU(Centre Hospitalier Universitaire) Lille - Lille, France
- 2020-2021 | Databases Project**
Implementation of an algorithm to import an XML document into an SQL relational database, and translating the largest possible fragment of XPath to equivalent SQL queries using Python.
- 2020 | Personal Mini-Projects** 
Implementation of some classic video games and algorithms using Python:
 - Sudoku
 - Game of life
 - Maze Generator
 - Snake

EDUCATION



















- 2020-2022 | Master's Degree** 
Master's degree in Data Science at the University of Lille - Centrale Lille.
Deep Learning, Machine Learning, Signal Processing, Statistics & Probability, Numerical Analysis & Optimization. Kernel Machines,
 University of Lille - Lille, France
- 2019-2020 | Bachelor's Degree** 
Bachelor's degree in Mathematics at the Hauts-De-France University.
Algebra, Statistics, Probability, Analysis, Topology, Optimization, Linear Algebra, Graph theory
 UPHF(Université Polytechnique Hauts-de-France) - Valenciennes, France.
- 2018-2019 | Engineering Student** 
1st year engineering student at Grenoble-INP PAGORA : International School of Paper, Printed Communication and Biomaterials.
 Grenoble-INP PAGORA - Grenoble, France.
- 2016-2018 | CPGE** 
2-year intensive university-level studies in Maths and Physics in preparation to enter highly-competitive French engineering schools.
Math, Physics, Chemistry, Computer Science, Literature.
 CPGE IBN GHAZI - Rabat, Morocco

CONTACT

[Links on icons]

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IT SKILLS

- Languages**
 -  Python
 -  R
 -  Matlab
 -  Javascript
- Databases**
 -  SQL
 -  Cypher
- Data Analysis & Machine Learning**
 -  PyTorch
 -  Keras
 -  Matplotlib
 -  Pandas
 -  Scikit-learn
 -  Numpy
- Graphical user interface**
 -  Pyqt5
 -  Pygame
- Reports & Presentations**
 -  LaTeX • Latex
 -  Office • Office
- Operating Systems**
 -  Linux
 -  Windows

LANGUAGE & INTERESTS

- Languages**
 - English (ABC) | Professional level
 - French (ABC) | Advanced level
 - Arabic (أب ت) | Native or bilingual
 - Tamazight (ⵜⴰⴷⵓⴷⴰⵢⵜ) | Native tongue
- Interests**
 - Tennis
 - Strategy games
 - Anime
 - Technology