

IKEN OMAR

Master-Level Data Science Student

#Looking for a 6 month internship in data science starting in March 2020.

WORK EXPERIENCE

• 2021 / Data Science Intern - Lille, France

"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.
- Publication of an extended abstract.

■ CRISTAL (Centre de Recherche en Informatique, Signal et Automatique de Lille) ■ April 2021 - July 2021

• 2019-2020 / Internship in Computer Science - Valenciennes, France.

"Design and implementation of the computational part for an intravenous infusion simulation application" using Matlab.

■ VALUTEC (Technology Innovation and Testing Center) ■ November 2019 - January 2020

• 2019 / Industrial Engineering Intern - Grenoble, France.

A two-month internship at the printing company La Manufacture d'Histoires Deux-Ponts.

ACADEMIC PROJECTS

• 2020-2021 / Research Project - Lille, France

"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 ■ October 2020 - March 2021

• 2020-2021 / Databases Project - Lille, France

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

The implementation of some classic video games and algorithms using Python:

- Sudoku
- Game of life
- Maze Generator
- Snake

EDUCATION

• 2020-2022 / Master in Data Science - Lille, France

1st and 2nd year of Master in Data Science at the University of Lille - Centrale Lille.



• 2019-2020 / Bachelor's Degree - Valenciennes, France.

Bachelor's degree in Mathematics at the Hauts-De-France Polytechnic University.



• 2018-2019 / Engineering Student - Grenoble, France.

1st year engineering student at Grenoble-INP PAGORA : International School of Paper, Printed Communication and Biomaterials.



• 2016-2018 / CPGE - Rabat, Morocco.

2-year intensive university-level studies in Maths, Physics and Chemistry in preparation to enter highly-competitive French engineering schools, Prepa IBN GHAZI.



CONTACT

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🐙 <https://github.com/oiken98>

IT SKILLS

• Languages



• Python



• R



• Matlab



• Javascript

• Databases



• SQL



• Cypher

• Data Analysis & Machine Learning



• Keras



• Pandas



• Matplotlib



• Numpy



• Scikit-learn

• Graphical user interface



• Pyqt5



• Pygame

• Reports & Presentations



• Latex



• Office

• Operating Systems



• Linux



• Windows

LANGUAGES

- English (ABC) ● ● ● ● ●
- French (ABC) ● ● ● ● ●
- Arabic (أ ب ت) ● ● ● ● ●
- Tamazight (ⵜ ⴰⴳⴷⵓⴷⵜ) ● ● ● ● ●

INTERESTS

- Tennis
- Strategy games
- Anime
- Technology