Mamadou **Krouma**

REMOTE SENSING SCIENTIST · FULL STACK DATA SCIENTIST · 24 YEARS OLD

Abidjan, CÔTE D'IVOIRE

☐ (+225) 0777029626 | ✉ mamadoukroumageoscience@gmail.com | ☐ MKrouma | ☐ https://www.linkedin.com/in/mamadou-krouma/

"My goal is to develop solutions that are useful to people and communities. I am a multipotential. I am a learner."

Skills

System	Linux, Mac OS, Windows
Programmation	Python (+7 years), Bash script (+2 years), JS (+1 year)
Geospatial	Geopandas, Xarray, Rasterio, GDAL
Cloud, Big Data	PySpark, Boto3, S3, AWS RDS, AWS ECR, AWS EC2, AWS BeanStalk
ML	Sklearn, MLflow, DVC, Heroku, Flask, ML Design Pattern

Experience

Satelligence   *Abidjan, Côte d'Ivoire*
GEOSPATIAL SPECIALIST   *February 2021*

- I take care of two internal applications on which I do DevOps, QA and a report every two weeks to the entire operations team;
- I use my data skills for **analytic** subjects where I do deforestation analysis, monthly, yearly provided in reporting form;
- I provide **technical support** to clients in Abidjan that has 11 subsidiaries and more than 33,000 employees.

Spacesense.ai   *Paris, France*
REMOTE SENSING AND ML DEVELOPER   *Juin 2020*

- Work on the development of **two products** including the detection of soil properties and false NDVI from radar images;
- Satisfactory research and development with **test scores of at least 80 percent** on each product;
- Last project was sanctioned by an abstract presented at the EGU2021 conference by my manager, **BeyondCloudLink**.

Side-Projects

Paris-plus-sûr   *Paris, france*
DEPLOYING ML MODEL   *November 2021*

- Cluster dangerous areas for two-wheelers in Paris and provide signage and geofencing (in real time) for users, **ParisLink**;
- Architecture : Model : DBSCAN, Pre-trained : Yes, Predict-on-th-fly : No, Serve : Geojson.

Jargon   *Paris, france*
WEB SCRAPPING   *October 2021*

- I worked on a web scrapping project as **freelancer**;
- Workflow : scrapping of a website, adding a scheduler, application in docker image, deploy on AWS Bean Stalk.

Education

Jedha Bootcamp   *Paris, FRANCE*
BACHELOR DEGREE IN FULLSTACK DATA SCIENCE (IN PROGRESS)   *May 2021 - Exp. Jan. 2022*

- Python and data analysis;
- Big data and data engineering;
- Machine learning and deep learning;
- Model deployment.

École Nationale des Sciences Géographiques   *Paris, France*
MASTER'S DEGREE IN PHOTOHRAMMETRY, POSITIONING AND DEFORMATION MEASUREMENT (PPMD)   *Sep. 2019 - Exp. Sep. 2020*

- Geo-imaging course, it consists in appropriating data acquisition techniques (vector, raster) and then processing them;
- Remote sensing: Lidar, Radar; Image processing: detection of contours, points of interest and matches.

Institut National Polytechnique Félix Houphouët Boigny   *Yamoussoukro, Côte d'Ivoire*
ENGINEER DEGREE IN LAND SURVEYING   *Sep. 2014 - Exp. July 2019*

- Two first years of preparatory classes. I acquired a good level in mathematics, physics and computer science;
- Basic training in civil engineering and land surveying, this gave me skills in vector data acquisition.