Dr. Christian Marius NGUIEPE SEGNOU

With two years of experience as a Python instructor at the University of Paris-Saclay and a doctoral degree in nanophysics where Python played a key role, after being trained and completing several projects in Artificial Intelligence and Data, ranging from data collection to deploying machine learning algorithms, I am currently seeking opportunities in the field of data-related professions.

Machine Learning Engineer | Data Engineer

Contact

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Visit my LinkedIn profile

Visit my GitHub account

Visit my web portfolio

Education

2023
Bootcamp datascience fullstack
Jedha

2018
PhD in Nanophysics
Paris-Saclay University

2017
Master's degree in Nanophysics
Paris-Saclay University

Expertises

Python /Linux / Git

HTML / CSS / Django

Matplotlib / Seaborn / Plotly

Numpy / SQL / Pandas / Spacy

Scrapy / BeautifulSoup

Databricks / Spark SQL / PySpark

Airflow/ Kafka/ Airbyte/ Neo4j, Zapier/ Evently

Streamlit / Docker / MLFlow / FastApi

Kubernetes with Helm, Ray

AWS (IAM, S3 / EC2 / RDS / Redshift, EKS)

GCP (IAM, Kubernetes Engine)

Experiences

01/2023 – 05/2023 • Data Projects • Visit my website to see more

Low Emission Zone Control :

- Computer Vision: YOLOv8, InceptionV3, LPRnet
- Web Dashboard Development : Streamlit
- Cloud Deployment: Docker, AWS EC2

Netflix Recommendation Engine :

- Cloud and distributed Computing: GCP Kubernetes, SVD, Ray, MLFlow
- Real-time Data Ingestion and Processing: Apache Kafka
- Collaboration in a Machine Learning Team: Git, Github,

Getaround, Car Rental Check-in and Checkout Analysis:

- Data Analysis and Insights: Matplotlib, Seaborn, Plotly, Pandas
- API and Machine Learning Deployment: FastApi, Heroku, AWS S3,
- Solving business problems

Spam detector:

- Natural Language Processing (NLP): spacy
- Deep Learning and Transfer Learning
- Model Evaluation and Metrics

09/2019 – 09/2021 • Python Teacher • Paris-Saclay University

As an experienced Python instructor, I was responsible for developing practical work, and courses for students ranging from L1 to L3 levels. The program I developed covered a broad range of topics, from the fundamentals of Python programming to the introduction concepts of **machine learning** and **deep learning.**

09/2019 – 09/2021 • Ph.D in Physics • Paris-Saclay University

Having publicly defended my thesis on June 28, 2023, I studied the dynamics of magnetic domain walls in thin magnetic films using the magneto-optical Kerr microscopy technique. In the experimental part, I conducted measurements and analyzed my data using the **Numpy, Matplotlib, Scikit-learn,** and **Pandas libraries**. In the modeling part, I developed my models using the **Scipy** and **Sympy** libraries in addition to the ones mentioned earlier

Languages

- French : Native language
- English : Intermediate level

Professional Qualities

- Team spirit
- Autonomous
- Rigorous
- Flexible
- Self-taught
- creative