



Dr. Christian Marius NGUIEPE SEGNOU

Machine Learning Engineer | Physicist | Researcher

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 looking for a two-year apprenticeship with a schedule of three weeks in the company and one week in training.

Contact

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Visit my LinkedIn profile



Visit my GitHub account



Visit my personal web site (Portfolio)

Education

2023

Bootcamp datascience fullstack

Jedha

2018

PhD in Nanoelectronics

Paris-Saclay University

2017

Master's degree in Nanophysics

Paris-Saclay University

Expertises

- Python /Linux / Git
- HTML / CSS / Django
- Matplotlib / Seaborn / Plotly
- Scikit-learn / Tensorflow
- Numpy / SQL / Pandas / PySpark
- Scrapy / BeautifulSoup
- Databricks / Spark SQL / PySpark
- Airflow / Kafka / Airbyte / Neo4j / Zapier / Evtly
- Streamlit / Docker / MLFlow / FastApi
- Kubernetes with Helm, Ray
- AWS (IAM, S3 / EC2 / RDS / Redshift, EKS)
- GCP (IAM, Kubernetes Engine)

Language

French : Native language

English : Intermediate level

Experiences

01/2023 - 05/2023

Data Projects : visite my website for more details and see more projects

● **Low Emission Zone Control** : Our group project aimed to develop an app that could analyze uploaded images or videos of cars, providing information about the car's make and model, as well as detecting any visible license plates. The app also checked if the car was allowed to circulate in a low emission zone determined by the town hall.

● **Netflix Recommendation Engine** : In this project, our team of Machine Learning Engineers took on the challenge of creating a recommendation engine for Netflix. With increasing competition from other streaming platforms, Netflix aimed to enhance user experience and attract new subscribers by leveraging data and building a powerful recommendation engine.

● **Getaround, Car Rental Check-in and Checkout Analysis** : In this personal project, The goal was to analyze the rental process and implement a minimum delay between two rentals to mitigate issues related to late returns at checkout. By preventing back-to-back rentals with insufficient time for the car to be returned, the project aims to reduce friction for the next driver and improve overall user satisfaction.

● **Spam detector** : In this personal project., The goal was to develop an automated spam detection system that could identify and flag spam messages based solely on their content. AT&T, being the world's largest telecommunications company by revenue, aimed to enhance user experience and protect their customers by implementing an efficient and accurate spam detection solution.

09/2019 - 09/2021

Paris-Saclay University I Orsay

Python Instructor

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.

10/2018 - 06/2023

Center for Nanoscience and Nanotechnology (C2N) I Palaiseau

Ph.D in Physics

Having publicly defended my thesis on June 28, 2023, I have 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 those mentioned earlier.

08/2018

Total Marketing France I Nanterre

Administrative Agent / Mass Transportation

I was responsible for overseeing the routine evaluations of the wagon fleet during product transportation. This included closely monitoring inspections, coordinating maintenance and repairs, and ensuring high standards of safety, efficiency, and reliability were maintained for successful transportation.

Professionnal Skills

Machine learning

Deep learning

artificial Intelligence (AI)

Cloud computing

ETL / ELT / Devops

Mathematics

Personal Skills

Team spirit

Autonomous

Rigorous

Dynamic

Interpersonnal skills

Self-taught