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, I am currently seeking opportunities in the field of data-related professions.

Contact

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Education

2023
Bootcamp datascience fullstack
Jedha

2018
PhD in Nanoelectronics
Université de Paris-Saclay

2017
Master's degree in Nanophysics
Université de Paris-Saclay

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, Evently
- Streamlit / Docker / MLFlow / FastApi
- Kubernetes with Helm, Ray
- AWS (IAM, S3 / EC2 / RDS / Redshift, EKS)
- GCP (IAM, Kubernetes Engine)

Language

French : Native language

Anglais : Intermediate level

Experiences

01/2023 - 05/2023

Data Projets : 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 of this project is 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 of the project 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
Université de Paris-Saclay 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 -
Centre de Nanosciences et Nanotechnologies (C2N) I Palaiseau

PHD Candidate

Awaiting defense 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.

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.

Professional qualities

Team spirit	Flexible
Autonomous	Self-taught
Rigorous	Creativity