

# Njinju Zilefac Fogap

[andrewfogap@icloud.com](mailto:andrewfogap@icloud.com) | +447442 922396 | LinkedIn: [LinkedIn Profile](#) | GitHub: [GitHub Profile](#)

## SUMMARY

Well-informed on the basics and fundamentals of designing end-to-end solutions from ETL pipelines, algorithms, databases, websites ,and machine learning models from coursework and projects. With a tireless hunger for new skills and a desire to exploit cutting-edge technology.

**Languages :** English (B2- Upper intermediate) , French (B1- Intermediate) , Bangwa (C1 - Advance)

## EDUCATION

**University of Wolverhampton**Wolverhampton, United Kingdom

**MSc Data Science**

Nov 2024 - Present

- **Concentrations:** Computing and mathematics

**Thomas more University of applied Science**

Antwerpen-Mechelen, Belgium

**B.S. Information management and multimedia (Data Science, protection, and security)**

Feb 2021 - Feb 2024

- **Concentrations:** Business and Data Science
- **GPA:** Cum laude, *Dean's List*

**University Of Buea**

Buea, Cameroon

**B.S. Computer Engineering (Telecommunication)**

Sep 2013- Dec 2017

- **Concentrations:** Computer systems fundamental and Telecommunication
- **GPA:** 3.0 / 4 , Good.

## SKILLS

LANGUAGES	WEB PROGRAMMING	ANALYTICS AND DATABASE MANAGEMENT	MACHINE LEARNING	DevOps
<ul style="list-style-type: none"><li>● C#</li><li>● Python</li><li>● SQL</li><li>● PHP</li><li>● SAS</li><li>● Scala</li></ul>	<ul style="list-style-type: none"><li>● Streamlit</li><li>● API development(.NET, Fast API)</li><li>● Front-end (HTML,CSS and JavaScript)</li></ul>	<ul style="list-style-type: none"><li>● ETL,ELT pipeline.</li><li>● Cloud computing (azure).</li><li>● Excel.</li><li>● Tableau,Power bi</li><li>● SQL Databases</li></ul>	<ul style="list-style-type: none"><li>● Scikit-learn.</li><li>● Feature Engineering and selection</li><li>● Statistical models</li></ul>	<ul style="list-style-type: none"><li>● Version control (Git)</li><li>● Docker.</li><li>● CI/CD(GitLAB)</li></ul>

## EXPERIENCE

**Arinti**

Mechelen, Belgium

**Data Engineer - Data Scientist Intern**

Feb 2023 – June 2023

**Project: Renewable Energy Price Prediction in Belgium**

- Led the project, driving the prediction of electricity prices.
- Conducted a comprehensive three-phase exploratory analysis to uncover trends in the energy market across different periods: pre, during, and post-COVID.
- Pioneered the development of an ETL system utilizing Azure Datalakes, Databricks and Datafactories and Datawarehouse, later transitioning to GitLab for enhanced cost efficiency. Instituted a robust CI/CD pipeline to streamline operations.
- Implemented machine learning algorithms, employing three models, and ultimately selecting gradient boosting for its superior accuracy in price prediction.
- Successfully deployed the machine learning model via a user-friendly Streamlit web application, enhancing accessibility and usability for stakeholders.
- Developed a Power BI dashboard to provide insightful visualizations, aiding in the interpretation of data and facilitating informed decision-making.

## Foundation of Applied Statistics and Data Management (FASTDAM)

Buea, Cameroon

### **Traineeship**

Dec 2019 – May 2020

During my internship at FASTDAM, I completed a rigorous 6-month training course in basic statistics, focusing on practical applications. Highlights of my contributions include:

- Undertook comprehensive training in basic statistics, mastering tools such as SPSS, Epi Data, and Microsoft Excel.
- Engaged in hands-on projects involving data preprocessing utilizing Epi Data and Excel, and statistical analysis using SPSS.
- Developed proficiency in statistical analysis software such as IBM SPSS Statistics and Epi Data.
- Enhanced my data management skills, particularly in handling and analyzing data using Python programming language and Microsoft Excel.

## SKYLABASE

Buea, Cameroon

### **Job**

April 2016 – June 2018

- Collaborated within a team of 6 professionals, taking charge of monitoring and deploying internet services.
- Demonstrated expertise in Linux and Ubuntu environments, facilitating effective network administration.
- Managed LAN-WAN configurations, ensuring seamless connectivity and optimal performance.
- Spearheaded the setup and maintenance of Wide Area Networks (WAN), contributing to improved network accessibility and reliability.

## PROJECTS

### **NGO - Graffiland**

Tienen, Belgium

#### **Project: AI Skill-Job Machine Web Application**

August 2023 – December 2023

Contributed to the development of an AI Skill-Job Machine Web Application, guiding clients to suitable careers based on CVs and survey responses. Key aspects of my role and achievements include:

- Collaborated with a team of three to design and implement an ETL (Extract, Transform, Load) processing system for cleaning and structuring clients' curriculum vitae and survey data. Utilized GitHub for version control and seamless collaboration.
- Employed Natural Language Processing (NLP) techniques and regular expressions (regex) to mask personal information in the client data, ensuring privacy and confidentiality.
- Implemented Langchain, utilizing large language models (LLMs) such as ChatGPT, for prompt engineering, enhancing the quality and relevance of the model's output.
- Utilized Flask frameworks for web application development, incorporating HTML and CSS for user interface design. Leveraged Azure Functions and GitHub Actions for efficient deployment and continuous integration.
- Implemented MLFlow for model tracking, enabling efficient monitoring and management of machine learning models throughout the development lifecycle.
- Utilized Prefect for orchestrating and managing the workflow, ensuring smooth execution of tasks and processes within the project.

### **University of Thomas More**

Mechelen, Belgium | Jan 2021 – Jan 2024 ([GitHub](#))

- Conducted comprehensive data analysis, managed missing values without leakage, engineered features, employed cross-validated feature selection, and optimized model parameters to develop a Random Forest regression model, enhancing mean house price prediction.
- Implemented a Prophet-based time series forecasting model for Auckland's daily cycling counts, enhancing accuracy by incorporating Waitangi Day 2018 as a holiday, evaluated performance via RMSE calculation, visualized forecasted values to elucidate holiday impact, and continuously improved the model through proactive problem-solving.
- Developed an AI solution in C# to predict weight contributed by specific ingredients, utilizing KNN and multi linear regression models, with no external libraries, and conducting comprehensive model comparison to optimize accuracy and performance.
- Collaborated with other developers on a school project to create a Birthday calendar web application.
- Currently working part time at swirlwavez on an AI home automation project.

**Certifications (Coursera)** : [Python for Data Science, AI & Development](#), [Introduction to Project Management](#), [Prepare, Clean, Transform, and Load Data using PowerBI](#), [Agile Project Management](#), [SAS Programmer Specialization](#), [Microsoft Azure for Data Engineering](#).

## **REFERENCES:**

- Mr. Fernando Lovera (Data Engineer – Arinti) : Phone : +3215688329 - Email : [fernando.loveratorres@thomasmore.be](mailto:fernando.loveratorres@thomasmore.be)
- Mr. Collin Van der Vorst (Course Coordinator - Thomas More University): Phone : +3215687454 - Email : [collin.vandervorst@thomasmore.be](mailto:collin.vandervorst@thomasmore.be)