

Mabano Yvette

Rwanda, Kigali | Tel: 0789199522 | yvettemabano18@gmail.com | LinkedIn: [Mabano Yvette](#)

Summary

Results-driven data analyst with experience in working with large datasets, identifying patterns, trends, correlations, and insights from data. Passionate about leveraging data to drive business outcomes and excited to join a team that shares this vision.

Experience

Technical project officer

Aug 2023 - Present

Smart Africa

As a project officer, I drive the planning, execution, and monitoring of technical projects aimed at advancing digital transformation initiatives across the African continent. I collaborate with cross-functional teams to define project objectives, develop technical specifications, and implement solutions aligned with organizational goals. I also provide technical expertise and guidance on emerging technologies, best practices, and industry standards to support the development and implementation of innovative solutions.

Electrical Intern

Sept 2022 – July 2023

Rwanda civil aviation authority

As an inspector, I understand the ICAO regulations and annexes to ensure that aircraft electrical systems comply with the required technical standards. This helps to ensure the safety of both unmanned and manned aircraft. The inspector may also review documentation, perform visual inspections, and run functional tests to verify that the electrical systems meet the necessary standards.

Graduate Teaching Assistant

Sept 2022 - Dec 2022

Carnegie Mellon University

Responsible for managing graduate-level classes of 25+ students at the Kigali branch of a globally top-ranked engineering university. Handled a high volume of administrative tasks such as the canvas learning platform for all 25+ students by evaluating their performance and providing constructive feedback to each of them. Prepare programming assignments using Python language, debug student's code, and grade them accordingly.

Data Analyst Intern

July 2022 - Sept 2022

AC Group (Tap & Go)

Analyzed and cleaned large data to sort different data types in the data files, using visualization to communicate findings to the supervisor. Interpreting the data to discover solutions on a collection of GPS coordinates for different buses.

Mastercard Foundation Volunteering

Feb 2022 - May 2022

Volunteered to train over 100 high school students in Rwanda on coding and soft skills. The training focused on imparting knowledge on coding and other essential soft skills, following the training I made it a point to keep in touch with the students through phone calls to measure the impact of the training.

Education

Carnegie Mellon University

Sep 2021 - June 2023

Kigali, Rwanda

MS Electrical and computer science

Huzhou University

Sep 2016 -July 2020

Huzhou, China

BA Mechanical and electronics engineering

Project

Analytics of Used Lithium Battery Cells for Second-Use Applications

Analyzing the cycling data from battery testing and developing plots that show the differential capacity. Develop the peaks to show important characteristics of the plots.

<https://github.com/yvettem275/Lithium-Batteries>.

MPI (MULTI-DIMENSIONAL POVERTY INDEX)

Employed different models like Lasso, and Elastic Nets to compute the MPI levels in all Rwandan sectors. Visualized the results in Maps using ArcGIS software.

<https://github.com/yvettem275/MPI>

Skills

Programming: Python, Linux, Wireshark, SQL,C++ Software Application: Auto cad, Solid works,Ms Excel

Languages

English,Kinyarwanda,French,Chinese.