

Samuel Mwamburi Mghendi

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EDUCATION

University of Nairobi, Nairobi, KE

December 2022

Master of Science in Computational Intelligence

Moi University, Eldoret, KE

December 2019

Bachelor of Science in Informatics

EXPERIENCE

United Nations Environment Programme, *Data Analytics Consultant*

August 2024 to Date

Nairobi, KE

- Served as focal point for UNEP's 15 Multilateral Environmental Agreement agencies on electronic project and trust fund monitoring and reporting, improving the visibility of a \$500 million portfolio to senior management and project teams.
- Created the data pipeline for UNEP's Country Environmental Dashboards, consolidating and streamlining information required from 15 data sources, to aid in the evidence-based scientific assessment of social demography effects on the natural environment.
- Designed and published the dashboard to track financial allocations and expenditures for 8 key partnerships and donors, automating the access to data used in evaluating UNEP's commitment to sound financial governance.

Ona, *Data Analyst*

January 2023 to May 2024

Nairobi, KE

- Developed the [Child Protection Information System \(CPIMS\)](#) platform for UNICEF Cambodia, enhancing the Ministry of Social Affairs, Veterans and Youth Rehabilitation understanding regarding the impact of UNICEF's efforts in Cambodia. I achieved this by dissecting large datasets collected across various platforms in different formats and visualizing pivotal insights from this data on custom maps and charts.
- Improved UNICEF Philippines' [Real-time Vaccination Monitoring and Analysis \(RT-VaMA\)](#) data initiative by migrating the platform to modern data infrastructure, cutting down the data refresh time by half.
- Designed the maps and user interface for UNICEF Latin America's [NDCs for Children platform](#).
- Created data dashboards that helped enumerate the social service workforce for UNICEF Ethiopia.

Analytics for a Better World (University of Amsterdam), *Data Science Fellow*

September 2022 to December 2022

Amsterdam, NL

- Designed an intelligent agent that determined the most optimal route between waste collection points across the map of Nairobi County.

United Nations Environment Programme, *Information Management Specialist*

July 2019 to December 2022

Nairobi, KE

- Designed and developed the data infrastructure for the Quarterly Business Review (QBR) on project portfolio risk analysis, providing senior management a streamlined, real-time view of fund performance, facilitating better strategic planning and decision-making.
- Consolidated project, grant, partner, and staffing data from multiple sources into a data warehouse for easy reporting.
- Implemented workflows for UNEP Law Division's task-tracking platform to centralize the submission of all administrative requests, such as implementing partner agreement approvals and renewals.
- Initiated the partnership with the Analytics for a Better World Institute for guidance and support on an optimization model for plastic waste collection.

SKILLS AND ACTIVITIES

- Proficient in Python, SQL, dbt, Airbyte, PowerBI, Superset, MS Excel, GCP BigQuery, Azure Databricks, and QGIS.
- Volunteered at Bridges for Enterprise (Global Impact Analytics Manager, February 2024 to September 2024).