

Contact

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Top Skills

Git
GitHub
Project Management

Certifications

PYTHON FOR DATA SCIENCE:
INTERMEDIATE
Exploratory Data Analysis
Reproducible Research
Getting and Cleaning Data
Regression Models

Amanyiraho Robinson

Project Coordinator | Data Visualisation | Shiny developer
Kampala, Central Region, Uganda

Summary

I am a dynamic and accomplished professional with extensive experience in project coordination, data visualization, and public health. In my role as National Project Coordinator at AFENET, I have been driving workforce development through the Growing Expertise in E-Health Knowledge and Skills (GEEKS) project in Uganda. This initiative involves integrating competency-based training with public health services, focusing on Epidemiology and Vaccine-Preventable Disease surveillance data. As Project Coordinator, I empower stakeholders with data insights, facilitate tools development, and bridge performance gaps. My proven track record includes organizing impactful training workshops and maintaining data quality, contributing significantly to data-driven public health progress.

Additionally, as an R Shiny Dashboard/Visualization Developer at AFENET, I supported creating and maintaining a comprehensive data triangulation dashboard covering Routine Immunization and Vaccine-Preventable Diseases. Through capacity-building sessions, I shared expertise in R and data analytics for Epidemiology and Public Health. I also seamlessly integrated Dhis2 with R Shiny and developed tools to automate data extraction and visualisation.

My academic journey includes a Bachelor of Statistics and the ongoing pursuit of a Master's in Public Health at Makerere University. Holding a Tidyverse Instructor Certification reflects my commitment to knowledge sharing and growth in data science. Proficient in Project Management, Epidemiology, and programming languages like Python and R, I am well-equipped to drive data-driven innovations at the intersection of public health and technology.

Experience

African Field Epidemiology Network (AFENET)
3 years 6 months

National project coordinator - GEEKS Uganda

November 2022 - Present (2 years)

Uganda

I coordinate the Growing Expertise in E-Health Knowledge and Skills (GEEKS) project in Uganda, driving in-country workforce development for enhanced national health information. Orchestrated competency-based training intertwined with public health service delivery focusing on EPI and VPD surveillance data. As Project Coordinator, empowered stakeholders with data insights, facilitated tools development, and addressed performance gaps. Organised impactful training workshops, supported program-wide implementation, and ensured data quality. Documented data successes in stakeholder engagements. Contributed significantly to data-driven public health progress within the GEEKS initiative.

R Shiny Dashboard/ Visualisation Developer

May 2021 - October 2022 (1 year 6 months)

Abuja, Federal Capital Territory, Nigeria

Project Achievements:

- Supported the development, maintenance and deployment of Routine Immunisation and Vaccine preventable diseases (Covid19, Measles, Yellow Fever and Meningitis) Data triangulation Dashboard using R shiny.
- Carried out capacity building sessions, with emphasis on using R and Data analytics in Epidemiology and Public Health
- Integration of Dhis2 with R shiny.
- Creation of a Kubernetes cluster to automatically pull data from Dhis2 to update the cloud-based Database on AWS (Amazon Web Services), SQL.
- To maintain the project code and tests, I used CICD with GitHub actions on GitHub
- Built an R package to pull Data directly from Dhis2 into the Dashboard, and also built a Dhis2 App to wrap any Dashboard either from Tableau, PowerBi, or Shiny to package and deploy it onto Dhis2.

Pearl Data Firm

Co-founder & Data Scientist

January 2020 - Present (4 years 10 months)

Kampala, Uganda

I am currently a Lead Data Scientist and Co-founder of Pearl Data Firm.

UPMB

KPPP Mentor

March 2021 - April 2021 (2 months)

Uganda

During this period I was responsible for orienting the teams at the health facilities and support where there is a knowledge gap about Key priority populations in the Uganda western region. Updating the KP combination Tracker using data KPPP registers and Service Tracking forms. This system was built on DHIS2

Mulago National Referral Hospital (Planning Unity)

Statistician (Volunteer)

June 2019 - December 2020 (1 year 7 months)

Kampala -Uganda

As a statistician intern, my role was to assist the Head of Planning Unity with any of the Data tasks at hand. At the end of the period, I was well equipped with knowledge and experience in working with DHIS2 and managing Public Health data.

USAID Regional Health Integration to Enhance Services in East Central Uganda Activity (RHITES-EC)

Data Clerk

January 2020 - February 2020 (2 months)

Eastern Regional of Uganda.

- Compile weekly, monthly and quarterly supplementary data not reported in DHIS2 and submit it to the RHITES-EC Monitoring, Evaluation and Learning unit on time.
- Ensure that confidentiality of data collected and stored is maintained at all times
- Ensure that the entered data are backed up regularly and the data are well protected
- Ensure safety of all equipment in the data rooms.
- Perform basic data analysis on data from HMIS data to inform RHITES-EC cluster based teams on the progress of interventions at the supported facility

Education

Makerere University

Masters, Public Health · (August 2023 - December 2026)

Makerere University

Bachelor of Statistics, Statistics · (2017 - 2020)

Mengo Senior School

Uganda National Advanced Certificate · (2015 - 2016)

Light High School Seguku

Uganda Certificate Education · (2011 - 2014)