

## OMONDI WAYNE WILLIS

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[Project Portfolio](#)

[LinkedIn Profile](#)

### Personal Summary

An aspiring data scientist and a firm believer of evidence-based decision-making, who is forward thinking and resourceful, with great communication and analytical skills. My desire is to use data to contribute insights for decision-making that enhance lives and brings optimal outcomes.

### Skills

- Windows and Linux based systems: and proficient in Microsoft Office packages and Linux LibreOffice packages.
- Python programming language, specifically its libraries for data visualization (matplotlib, seaborn and Plotly) and data analysis/manipulation (Pandas and NumPy)
- Database Management Systems and relational database query language (SQL)
- Version Control (Git and GitHub).
- Data Visualization tools such as PowerBI
- Electronic Medical Record Systems predominantly KenyaEMR and IQ Care
- Data Analytics with DHIS2
- Knowledgeable in Research Methodology with a certificate of Good Clinical Practice Training for Social and Behavioral Research, having worked on a number of qualitative studies through questionnaires, in-depth interviews and Focus Group Discussions. Most recent being:
  - i. Impact of COVID-19 on Utilization of Antenatal Care, A Case Study of St. Anne's Segia Mission Hospital Siaya, Kenya 16th – 20th August, 2021; and
  - ii. Correlation Between Internal Communication and Employee Productivity: A Case Study of The Star Hospital Kisumu, Kenya 19th – 20th April, 2021.
- NASCOP Certificates in ART Cohort Analysis and Implementing HIV Case Based Surveillance in Kenya.

### Work Experience

**July 2021 – Present** *KCCB-ACTS (formerly KCCB-KARP (Kenya AIDS Response Program))*

- Served as a **Data Manager** in Segia Mission Hospital from 19<sup>th</sup> July, 2021 to 2<sup>nd</sup> September, 2023.
- Currently serving at Rangala Mission Hospital, Siaya since 3<sup>rd</sup> September, 2023 to date.

- Work with patient files for data entry and report generation using KenyaEMR, plus their respective data tools, uploading of relevant data to the data warehouse through DWAPI, working hand-in-hand with hospital service delivery points for the generation of program-required reports on various KPI, conducting validation and verification on reports, working on data visualization for Performance Review meetings, conducting routine Data Quality Assessments, doing data entry and extraction using DHIS2 based government platforms. As well as troubleshooting and finding solutions system-based errors.

**November 2020 – June 2021 KCCB-KomeshaTB Program, Kisumu**

- Served as **Field Data Collector**.
- Working closely with the Program Officer, TB Focal Persons, Clinicians, HRIOs, Data Managers and HTS to collect, verify and validate TB data from select health facilities in Kisumu and Vihiga Counties.
- Participating in TB Outreaches, CHV Sensitization and Monthly County Facility Data Reviews in Kisumu and Vihiga. Also worked with the Communication and Advocacy Officer to design advocacy posters and advertisements for the Program.

**August 2020 – October 2020 Awasi Mission Health Facility, Kisumu**

- **Data Manager** (temporary), KCCB-KARP (Kenya AIDS Response Program).
- For a fixed-term of 3 months I worked with patient files for data entry and report generation using IQCare and KenyaEMR, plus their respective data tools, uploading of relevant data to the data warehouse through DWAPI, working hand-in-hand with MCH, TB leads, pharmacists, clinicians, client mentors and HTS for the generation of program-required reports (DATIM, MOH 731, GBV Monthly Reports, HTS 3PM, OTZ Report, PMTCT 3PM, Longitudinal Reports, PREP Reports, and TB Master among other) and data visualization for Monthly Data Review meetings, DQAs, report compilation through data reporting tools on the topline indicators.

**February 2020 – May 2020 St. Monica Town Clinic, Kisumu**

- As a **Data Management Intern**, KCCB-KARP (Kenya AIDS Response Program).
- Enrolled for an internship in the Data Department in order to gain knowledge and experience on data abstraction, data quality assurance, running data queries, generating required reports, understanding the top line indicators for the Program/donors as well as indicators of interest within patient files and use of EMRs such IQ Care and IQ Tools for the fore mentioned tasks.

**June 2019 - October 2019 ICAP, Kisumu**

- A **Data Clerk** for ICAP-Project HOPE.
- Conducted Jaramogi Oginga Odinga Teaching and Referral Hospital and Bondo County Hospital's PMTCT client feedback surveys & uploading of PMTCT and HEI data from the relevant MOH registers onto the ICAP server through IQCare and/or KoBoCollect and SurveyCTO.

- Reviewing/validating data collected from other facilities.

**November 2018 – May 2019** *Better Futures for Children, Kisumu*

- Served a ***Management and Partner Engagement Intern*** for an NGO-startup focused on education for children in lower income areas.
- Accomplished the development of a five-year strategic plan & creative assistance on the Girls Must Read and the Adopt-A-Class-Library project.

**May 2017 – July 2017** *Water Resources Authority Regional Office, Kisumu*

- As a ***GIS, Data Collection & Analysis Intern*** in the Lake Victoria South Catchment Area Office.
- Undertaking geo-referencing activities such mapping of water resources; collection and entry of geocodes; analyzing and digitizing data collected in Surface Water department; reviewing Environmental Impact Assessment reports; attending public participation meetings & mobilization of Water Resource Users' Association.

**April 2014** *Jamarogi Oginga Odinga Teaching &Referral Hospital, Kisumu*

- As a ***Data Clerk*** in the GBV Department.
- Working for the Sexual Gender-Based Violence Program, Kemri-Hiss (HIV Implementation Science Services) Program under CDC-KEMRI.

## **Educational Background**

**September 2013 – December 2017** Maseno University, Maseno

- Bachelor of Science, Earth Science with IT (Hydrology and Water Resources Management Program): Second Upper Division.
- Modules taken include: Research Methodology, Mathematics II, Information Technology, Data Manipulation & Analysis Using Spreadsheets, Relational Database Management Systems, Computer Based Information Systems, Computer Interaction Systems, Management of Information Technology Projects, Statistical Analysis with SPSS, Information Systems & Application, Information Assurance & Security, GIS & Modelling, and Applied GIS.

**January 2013 – June 2013** Emobilis Mobile Technology Institute, Nairobi

- Studied in the MIT and Android Program and graduated with a Certificate of Android Program.
- Modules include: MySQL, Intro to App Architecture, User Interface Design, Database connection, and API's.

**February 2009 – November 2012** Maseno High School, Maseno

## **Referees**

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