

OMONDI WAYNE WILLIS

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[Link to Projects Portfolio](#)

[Link to 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.

Skills

- **Windows and Linux based systems:** and proficient in Microsoft Office packages and Linux LibreOffice packages.
- **Database Management Systems** and relational database query language (SQL)
- Version Control (Git and GitHub) and Deployment (Heroku).
- **Python** programming language, specifically its libraries for data visualization (matplotlib, seaborn and Plotly), analysis (Pandas and NumPy) and web applications (Dash/Plotly)
- **Data Visualization** tools such as PowerBI.
- **EMRs** predominantly KenyaEMR and IQ Care.
- **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.
- Graphic design.

Work Experience

August 2021 – Present *St. Anne's Segia Mission Hospital, Siaya*

- Serving as a **Data Manager** for KCCB-KARP (Kenya AIDS Response Program).
- Worked with patient files for data entry and report generation using KenyaEMR, uploading of relevant data to DHIS and 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)

- Data visualization for monthly feedback meetings on indicator performance.
- Conducting DQAs and CQIs.
- Chairing monthly data review meetings

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

- Served as **Data Clerk**.
- 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 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).

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

- **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 IQCare and IQ Tools.

June 2019 - November 2019 *ICAP, Kisumu*

- **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 EMR.
- Generating reporting from IQCare.
- Reviewing/validating data collected from other facilities.
- Reviewing data on DHIS reported during the running period of Project HOPE.

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

- **Management and Partner Engagement Intern.**
- Accomplished the development of a five-year strategic plan & creative assistance on the Girls Must Read and the Adopt-A-Class-Library projects

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

- **GIS, Data Collection & Analysis Intern**, Lake Victoria South Catchment Area Regional 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*

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

Educational Background

May 2021 – Present *Africa Data School, Nairobi*

- Taking a part-time online **Data Science and Machine Learning** Course as well as a **Microsoft Artificial Intelligence Engineer** Curriculum.

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.

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

Referees

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