

Isack Walube

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EDUCATION

Master of Science, Geographic Information Sciences

Expected May 2025

Clark University, Worcester, MA

Related Courses: Geo-Sciences, Remote Sensing, Database Management, Mapping, R, SQL, Python

Bachelor of Science, Land Economics

May 2021

Makerere University, Kampala, Uganda

Related Courses: Economics, Construction Engineering, Property Appraisal and Facilities Management, Land Surveying, GIS

SKILLS

Techniques: Geographic Information Systems Analysis and Modeling, Monitoring, Learning, Evaluation and Research

Coding/Software: ArcGIS Pro, Google Earth Engine, QGIS, JavaScript, Python, SQL, R Studio, Adobe Illustrator

Languages: English (Fluent), French (Basic)

EXPERIENCE

Geo-Information Systems Assistant, Uganda Bureau of Statistics, Uganda

May 2021 – Aug 2023

- Employed advanced geo-information system workflows utilizing Esri's survey 123 for ArcGIS and skillfully configured this with mobile data collection tools to enhance the efficiency and accuracy of data collection.
- Addressed and resolved concerns raised by field staff and stakeholders through feedback from the field and conducted meticulous quality checks on the data collected ensuring reliability.

Project Assistant, Nexus Green, Uganda

Feb 2022 – August 2023

- Compiled comprehensive irrigation project feasibility study reports, focusing on site suitability assessments, and community outreach.

Valuation Surveyor, Ministry of Lands, Housing and Urban Development, Kampala, Uganda

May 2018 - Feb 2019

- Valued property and prepared valuation reports, carried out project compensation work, and verified compensation reports as instructed.
- Assisted supervisor in developing monitoring framework tools that helped track all project activities.
- Analyzed baseline survey data for the Ministry of Lands, Housing, and Urban Development and contributed to report writing.

Research Assistant, Family Health International 360, Uganda

Nov 2015- Aug 2016

- Liaised with all the district leaders to ensure activities followed project guidelines and were reported accurately.
- Contributed to data collection for the USAID/Communication for Healthy Communities project for baseline and end-line studies.

PROJECTS AND RESEARCH

An assessment of healthcare facilities accessibility in urban areas: A case study of Boston

September – December 2023

- Utilized GIS tools and models to conduct a comprehensive spatial analysis of the distribution of healthcare facilities in Boston.
- Investigated the demographic factors, such as population density, and income levels, that correlate with the spatial distribution of healthcare facilities.
- Utilized analysis to develop recommendations for optimal healthcare facility placement to enhance accessibility and address disparities in healthcare services in Boston.

Investigating 2023 Quebec Wildfires Through Change Detection Analysis, Worcester, MA

October – December 2023

- Assessed the impact of the fires on land cover classifications and vegetation cover

Solar Power Irrigation Water Supply project, Uganda

Feb 2022 – August 2023

- Combined solar power, community involvement, and smart farming to tackle water shortages, support eco-friendly agriculture, and uplift local communities.

AWARDS

The International Development, Community, and Environment Scholarship

2023 Recipient

ACTIVITIES/LEADERSHIP

Campus Ambassador, Clark University

December 2023- Present

GIS Representative, Sustainability and Social Justice Department, Clark University

September 2023- Present

Member, Club Basketball, Clark University

October 2023 - Present