

## Kiragu. M. George, Mr.

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EDUCATION	<b>Honors Sc.</b> , WorldQuant University	(January 2019 - September 2019)
	Major: Machine Learning and Statistical Analysis	
	<b>B.Ed(Arts)</b> , Egerton University, Njoro-Kenya	(September 2013 - June 2017)
	Major: Mathematics and Geography	
	<b>Associate</b> , <a href="#">University of Notre Dame</a>	(September 2017 - January 2018)
	Major: Geographic Information Systems.	
	<b>Associate</b> , <a href="#">Harvardx</a>	(February 2018 - January 2019)
	Major: Climate Energy	

TECHNICAL SKILLS	Software including: Git, SQLite, Tableau, PowerBI, QGIS, Anaconda, Android Studio, Blender, Inkscape. Packages including: Python, SciKit, sklearn (contributor), pandas, NumPy, plotly, SciPy, matplotlib, folium, Streamlit, Django
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TECHNICAL EXPERIENCE	<b>International Center for Humanitarian Affairs</b>	Nairobi, Kenya
	<i>Cash Voucher Assistance Information Management Officer</i>	(March 2021 - Present)
	<ul style="list-style-type: none"><li>• <u>Consultation</u>: Support regional countries (Uganda, Ethiopia, Zimbabwe) to advocate for Information Management, tools options, analysis of data needs in programme Standard operating procedures</li><li>• <u>Training</u>: Facilitate or Support in training to introduce concepts and Training for Specific Information Management skills in cash context including Market Assessments.</li><li>• <u>Operational Support</u>: Dedicate or provide direct assistance to deliverables in a specific operations. Support in conducting Market Assessment (Pre-Crisis Market Assessments, Operational Market Assessments)</li><li>• <u>Monitoring and Evaluation</u>: Facilitate or Support during lesson learning and experience sharing to benefit the wider Red Cross Red Crescent Network.</li><li>• <u>Data Literacy</u>: Provide practical guidance or advice on data protection in Cash Voucher Assistance (CVA) related to the IFRC policy. Facilitate the data literacy workshop for CVA, advice on data considerations in Cash SoP's.</li><li>• <u>Data Collection</u>: Provide technical support for KoBo Toolbox/ODK server set-up and forms creation. Design of survey forms(Assessment, Market Monitoring, beneficiary registration and identification)</li><li>• <u>Data Management</u>: Design of beneficiary database to register and monitor CVA interventions. Analysis and Set-Up of RedRose or equivalent data management platforms. Use of digital communications for Post-Distribution Monitoring Advice on digital payments and integration with data management. Support for audit and data security.</li><li>• <u>Data Visualization</u>: Design and assist in developing dashboards, reports, maps, to indicate programme status and progress design and develop of Visualization for Community Engagement and Accountability. Basic training on Visualization tools such as PowerBI, Tableau Excel graphs.</li></ul>	

- Data Analysis: Design and develop tools to analyse markets, socio-economic indicators and other sectoral inputs.  
Assist in analysing assessment data, response analysis, transfer value, targeting, programme progress and impact.

### Freelance

*Data Scientist*

Nakuru, Kenya  
(February 2018 - March 2021)

- Develop Machine Learning Models and Data Analysis for Community Contributions
- Data Visualizations for Humanitarian and Health Sectors on nCoVid-19.
- Web Developer.
- Graphic Designer.
- Android app tester.

### Oil-Crop Development LTD (Faida Seeds)

*Field Supervisor*

Nakuru, Kenya  
(November 2019 - February 2020)

- Supervised farm preparations activities
- Tallying of daily package production
- Accounting for the casual-labour workforce including daily wages.
- Checking invoices, receipts and issue notes

### Teaching Experience

#### Cash Voucher Assistance for WASH outcomes

*Training - Facilitator*

International, Global  
(May 2023 - Present)

- Facilitate trainings on CVA for WASH outcomes as per the Global WASH Cluster (GWC) guidelines.

#### Kenyatta Girls Secondary School

*Teacher - Internship*

Thika, Kenya  
(May 2016 - August 2016)

- Taught Mathematics and Geography
- Set, Invigilated, Marked internal Examinations
- Prepared Schemes of Work and Lesson Plans.

### Leadership Experience

#### Red Cross Red Crescent Cash and Water, Sanitation and Hygiene Technical Working Group

*Member of the Pilot Projects and Training Workstreams*

Global, Worldwide  
December 2022 - Present

#### Kenya Cash Working Group

*Member*

Kenya, Kenya  
(March 2021 - Present)

- Lead of the Information Management Workstream
- Member of the Minimum Expenditure Basket Workstream
- Member of the Kenya Cash Working Group

### Community Service

#### Kenya Red Cross Society

*Volunteer*

Nakuru, Kenya  
(January 2018 - Present)

- Data and GIS Focal person
- Provided support in the creation of the SARS - nCoVid-19 dashboard
- Supported the nCoVid-19 Fumigation Pilot Project.
- Participated in the 2018 Safer Access Review Framework.

#### Nairobi Women in Machine Learning and Data Science

*Co-Organiser*

Nairobi, Kenya  
(April 2020 - Present)

- Deep Dives: A hands-on project that helps members within the NWiMLDS Community acquire practical skills in data science, Machine Learning and A.I. that are curtailed and curated in their various environmental realities.

**SciKit-Learn Open Source Contribution Sprint***Contributor*

Global, Worldwide

(June 2020 - Present)

**Rotaract Club of Menengai**

Nakuru, Kenya

*Member*

(Oct 2020 - March 2021)

- Public Relations (P.R) and Design Director
- Club Secretary
- Board Member

**Awards****International Federation of the Red Cross Red Crescent Movement**

Solferino

Academy

*Strategic Foresight and Futures Explorer*

(November 2022)

- [Strategic Foresight Explorer](#)

**Red Cross Red Crescent Movement Market-Based programming for WASH** British Red Cross Society

*ToT for Market-Based Programming for WASH outcomes*

(December 2022)

**Linking Social Protection and Humanitarian CVA**

CaLP Network

*Linking SP and Humanitarian CVA*

(March 2023)

**Humanitarian Diplomacy and Durable Solutions**

Regional Durable Solutions (ReDSS)

*Durable Solutions*

(March 2023)

**Publications***Published: [Pre-crisis Market Mapping and Analysis Report for Busia County](#)**Published: [Pre-Crisis Market Mapping and Analysis Report for Tana River \(Oct - Nov 2021\)](#)**Published: [Pre-Crisis Market Mapping and Analysis Report for West Pokot and Kitui \(Sept - Oct 2021\)](#)**Published: [WASH market assesment in Taita Taveta - Kenya \(2023\)](#)***References**

Dr. Halima Saado (PhD) Ag. Vice-Chancellor UMMA University Nairobi. +254710315830 dr.saadoabdillahi@gmail.com	Steve Kenei GIS/IM American Red Cross Nairobi +254723704126 steve.kenei@redcross.org stevekenei@gmail.com	George Kihiko Operations Manager, Oil Crop Development Ltd P.O Box 2657, 20100, Nakuru. +254721788917 george.njihia@faidaseeds.com
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