Mahadia Tunga

BSc/MSc Computer Science (Hons)
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SKILLS

Programming Languages: Python, R, PHP, Javascript

EXPERIENCE

Date	Organization	Position
July 2018 - to date	Tanzania Data Lab (dLab)	Co-Founder
May 2014 – to date	University of Dar es Salaam	Assistant Lecturer
September 2020 - March 2021	The East African Scientific Research Network (EASRN)	Training Consultant
December 2022 to February 2021	Open Data Institute (ODI) London (For Bill and Melinda Gates)	Country Researcher
August 2020 - to date	University of Dar es Salaam Computing Center	Senior System Analyst
August 2020 - December 2020	University of Dar es Salaam Computing Center	Senior System Analyst
October 2020 - December 2020	University of Dar es Salaam, School of Journalism and Mass Communication	Senior Website Developer
August 2020 - February 2021	Data4Change (London)	Curriculum Reviewer
July 2020 - October 2020	Tanzania Resilience Academy Project	Industrial Training Coordinator
August 2020 - to date	GeoICT Project (Funded by World Bank)	Data Expert
April 2019 - to January 2020	Benjamin Mkapa Foundation(BMAF)	Project Manager
September 2019 - September 2020	HIV/AIDS Male Social Media Influencer Campaign (The US Ambassador's Fund for HIV/AIDS Relief)	Project Manager
October 2019 - December 2019	Media Council of Tanzania	Senior Website Developer
June 2018 - To date	Women in Data Program(Funded by Vodacom and Millennium Challenge Cooperation (MCC))	Project Manager
November 2018 - January 2020	United Nations Association of Tanzania	Research Consultant

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PUBLICATIONS

1. [Towards Engaging Civil Society Organisations in the Open Data Agenda, A Case Study in the Health Sector in Tanzania.](#)
2. [Verbal Autopsy Models in Determining Causes of Death](#)

Other Experience and Professional Memberships

2016-Open Data Trainer, Open Data Institute, London, UK
2018-Board Member, Tanzania Data Lab, Dar es Salaam, Tanzania
2018-Member of Annual General Meeting, Tanzania Data Lab, Dar es Salaam, Tanzania
2019-Ambassador, Women in Data Science Conference (WiDS), Stanford University, US
2020-ASToN Ad-hoc Expert, Africa Smart Town Network (ASToN)
October 2020 - March 2021- Member, Task Team, PARIS21, "Coordination with key stakeholders - What is new for statistical agencies?"
2021 - Data Science Professional, Tanzania ICT Commission

Honors and Awards

2010-Scholarship for MSc, Tanzania Commission for Science and Technology (COSTECH)
2018- The US Ambassador's Fund for HIV/AIDS Relief (AFHR)), US Embassy Tanzania
2018- Annual Program Statement (APS) Grant, Millenium Challenge Corporation (MCC)
2019- The US Ambassador's Fund for HIV/AIDS Relief (AFHR)), US Embassy Tanzania
2021- Data Science Professional, International Business Machines Corporation (IBM)
2021 - AI4D Fellowship

REFERENCES

Name: Dr. Juma Lungo
Position: Lecturer, University of Dar es Salaam
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Name: Dr. James Chambua
Position: Postgraduate Coordinator, Computer Science, and Engineering, University of Dar es Salaam
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Research

Verbal Autopsy-Based Hybrid Data Analytic Model for Improved Determination of Cause of Death, 2020/2023

Goal: The study will produce a hybrid data analytic model for determining the cause of death. A hybrid model will demonstrate new ways of predicting the cause of death by combining both linguistic and statistical approaches through the utilization of coded data and open narrative. The resulting model is expected to generate mortality statistics with improved accuracy, sufficient to be used for mortality surveillance.
Role: Principal Investigator

Tanzania Country Briefing on agriculture, Open Data Institute (ODI), London, 2020/2021
Goal: Assessing data, policies, official documentations, acts, platforms, and other relevant materials on different topics of engagements to measure Tanzania open governance performance
Role: Country Researcher

Tanga City Data Readiness Assessment, Foundation Botnar, 2020/2021
Goal: The overall objective of the study was to inform the stakeholders on the areas that need to focus on in order to enhance data availability and use in Tanga City
Role: Co Researcher

Citizens Perspective on Sustainable Development Goals (SDG), African Monitor, South Africa, 2019/2020
Goal: Assessing the performance of the government on SDG Citizens' perception in Tanzania. The study focused on Health, Education, Gender, Economic Growth, and Peace and Security.
Role: Country Researcher

Africa Open Data Barometer and Index, Local Development Research Institute (LDRI), Kenya, 2017/2018
Goal: Assessing data, policies, official documentation, acts, platforms, and other relevant materials on different topics of engagements to measure Tanzania open governance performance
Role: Country Researcher

Improvement of Information Flow in Service Delivery to Teaching Personnel: A case of Teachers Service Department in Tanzania, MSc Computer Science, 2010/2014
Goal: The goal of the study was to improve information flow within TSD and between TSD and LGA in delivering services to teaching personnel.
Role: Principal Investigator