Morine Amutorine

A data analyst with significant experience in increasing the comprehension of data sience projects for all audience types. Highly experienced with 4+ years in data analytics and visualization, and 7+ years in design, development and implementation of various web application platforms. Iam highly creative with a strong aptitude for troubleshooting and ideation, and quickly master new skills, technologies and roles.

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Working Experience

Visiting Fellow

Cambridge University - Data Science Africa Visiting Fellowship
http://www.datascienceafrica.org/dsa-visiting-fellowship

March 2021 - To date

<u>Research:</u> Uncovering opportunities and challenges associated with data sharing in Africa by identifying lessons from the use of data science in the COVID-19 pandemic response.

Data Analytics Assistant

Pulse Lab Kampala (https://www.unglobalpulse.org/kampala)

<u>Achievements</u>

April 2018 - To date

Conducted 2 social media data analysis projects deriving insightful information from the public's perceptions on peace keeping and state building processes, to advance the achievement of SDG 16: Peace, Justice and strong institutions.

To include people from rural areas in social media data analytics, UN Global Pulse developed a radio mining tool that streams public radio discussions and identifies speech with topics that can inform the work of the SDGs. I analyzed radio data and derived insights for early warning and service delivery evaluation systems in health, security, finance and education sectors.

Designed and developed infographics and visualizations to aid communication and reporting of analysis results.

Developed microsites (web dashboards) that display analysis results plus coming up with narratives to tell a story around the data. Some microsites I developed can here. https://www.unglobalpulse.org/microsites/

To increase stakeholder engagement in data driven projects and better explain data analytics to non-data science audiences, I designed content for over 8 projects explaining the data pipeline from data collection/access to how the analysis is carried out.

Delivered various presentations representing the lab to showcase the work we do and support capacity building programs.

General Skills

Data analysis

Data interpretation

Research & communications

Infographic design

Text data processing

Data visualisation

Social media data mining

Presentating

Data processing

Programming & tools

Python
HTML5
D3
CSS/SASS
Dash
Leaflet
Bootstrap
Django
Jquery
Tableau
Brandwatch
QGis
Git

Education

BS in Software Engineering

Makerere University, Kampala, Uganda

09/2009 – 05/2013

CGPA: 4.26/5.

Working Experience

Some of the events are Data Science Africa (4 times), Data Tamasha, Tanzania, Deep Learning Indabax, Uganda, and various UN events.

Self-taught data science skills by volunteering to facilitate data visualizations and social media data mining tutorial sessions during the Data Science Africa summer schools.

Participated in various brainstorming sessions with the team aimed at identifying ways and processes to keep data confidential and data analysis processes legal

Assistant Software Developer (Consultant)
Pulse Lab Kampala (https://www.unglobalpulse.org/kampala)

Achievements

June 2016 – Dec 2017

Mined and analysed social media data on various topics, for example, the 2016 Ugandan presidential elections and the 2016/2017 refugee influx in Uganda among others.

Mastered the art of defining and maintaining an up-to-date taxonomy of keywords used to mine data from radio gradually increasing the accuracy of the radio filtering application to filter conversations relevant to various topics of interest better.

Aided various teams of language analysts in defining and translating keywords into about 8 local languages.

Successfully learnt data science skills and later transitioned into a data analytics role.

Designed and developed data collection web applications and web pages displaying raw data for users to conduct simple tasks like tagging/categorizations and extract statistics.

Performed code version control for all projects using Git.

Front End Developer
SMS ONE (https://smsone.co.ug/)

Achievements

Sept 2014 – April 20167

Explored various website templates for a commercial survey system to identify a suitable one in terms of scalability, usability and ease of deployment.

Customized an HTML template to fit the needs a survey application and connected it to the back-end system for managing user accounts and survey responses.

Performed system and user tests to prepare the system for production.

Uganda Advanced Certificate of Education, St Joseph's Girls Nsambya, 2008-2009.

Uganda Certificate of Education, St Cecilia Girls Bushenyi, 2003-2007.

Other achievements

Published an article based on an analysis of Google search data to understand how people are reacting to Covid19 in Africa https://www.thinkglobalhealth.org/article/what-we-ask-about-coronavirus-africa.

Facilitated tutorials and made presentations in data mining and visualization for Data Science Africa summer school (http://www.datascienceafrica.org/dsa2018abuja/) and Deep Learning Indabax 2019 (https://indabaxug.github.io/index19.html)

Referees

Martin Gordon Mubangizi
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Professor Neil D. Lawrence
The DeepMind Professor of Machine Learning
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University of Cambridge
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