



## Morine Amutorine

A data analyst with significant experience in increasing the comprehension of data science 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. Software solutions are built with Python while leveraging on open-source technologies like D3, Bootstrap, Dash, Leaflet, Django and others. I am highly creative with a strong aptitude for troubleshooting and ideation, and quickly master new skills, technologies and roles. I am a proved leader with excellent interpersonal and motivational abilities to build collaborative relationships among teams.

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## Working Experience

### Data Analytics Assistant

*[Pulse Lab Kampala](#)*

April 2018 - To date

### Achievements

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](#).

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

## General Skills

Data analysis

Data interpretation

Research & communications

Infographic design

Text data processing

Data visualisation

Social media data mining

Presenting

Data processing

## Programming and tools

Python

HTML5

D3

CSS/SASS

Dash

Leaflet

Bootstrap

Ljango

JQuery

Tableau

Brandwatch

QGIS

Git

## Education

### BS in Software Engineering

Makerere University, Kampala,

Uganda 09/2009 – 05/2013

CGPA: 4.26/5

## Working Experience

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

June 2016 – Dec 2017

#### Achievements

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

Sept 2014 – April 2016

#### Achievements

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.

Article link;

<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](#) and [Deep Learning Indabax](#) 2019

## Referees

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