# Joshua Ssemwanga

Phone: +1 6179915812 Email: ssemwanga18@gmail.com LinkedIn, GitHub

# **Education**

# State University of New York at Plattsburgh

December 2022

**BSc Computer Science** 

St. Andrew's School, Turi

June 2019

GCE A Level

#### **Skills**

- Programming in Python, SQL, and R Data Visualization with Pandas, NumPy
- Spreadsheet Analysis in Google Sheets and MS Excel. Complex Problem Solving
- · Graphic Design in Canva

# **Project Work**

### Sports Performance Analytics Certificate, University of Michigan

May 2023

- Learned a variety of techniques to explore, represent and visualize sports data with the use of Pandas and NumPy.
- Investigated and analyzed interesting theories and narratives within major sports leagues around the world.
- Drafted reports on the insights and results from the tested data using Jupyter Notebooks.

## **Google Data Analytics Certificate**

August 2022

- Acquired knowledge in SQL & R programming to generate insights from data sets.
- Developed expertise in identifying behavioral trends, forecasting customer behavior & analyzing data
- Applied SQL functions for efficient data cleaning & transformation, enabling improved report generation
- Completed an independent capstone project that explored and analyzed rideshare patterns in Chicago in 2022

# Work Experience

#### Sales Consultant | AT&T

May 2023 - December 2023

- Consistently exceeded sales targets by establishing the technical needs of the customer and suggesting appropriate products or services.
- Kept military and first responders informed about new technological products and services.
- Explained complex technical information to customers in a way that is easily understandable.

#### Data Analyst Volunteer | RND4Impact Inc

**April 2023 – May 2023** 

- Applied statistical analysis to generate reports and visualizations that provided key performance insights
- Trained closely with RND4Impact to develop expertise in machine learning and data science techniques

#### IT Technician | SUNY Plattsburgh Helpdesk

# September 2020 - December 2022

- Facilitated technical support to 200+ professors, ensuring uninterrupted delivery of lectures with high success rate.
- Provided guidance on resolving complex classroom issues over the phone, resulting in a 70% reduction in repeat calls.

### Public Relations | National Association of Black Accountants September 2021 – December 2022

• Increased NABA Plattsburgh's recognition by creating themed posts on Instagram that promoted an annual brunch and included notable students on campus. This led to 100+ followers in three days.

### Student Intern | Capital Region BOCES

March 2021 - May 2021

- Compiled & processed data on New York school districts for a comprehensive virtual desktop environment, resulting in over two hundred schools with accurate information.
- Produced a large-scale dataset using Microsoft Excel, cleaned and transformed it for further analysis, achieving 98% accuracy.

### Frontend Developer Intern | Dbuntu Data

July 2019 - August 2019

- Created a database that helped agriculturalists keep track of their livestock
- Learned front end programming using JavaScript

## Summer Intern | Send A Cow, Uganda

**July 2018 – August 2018** 

- Organized company accounting information using Microsoft Excel
- Digitized paper records from financial years 2006 to 2012 into an accessible company database

# Volunteering

## Content Coordination Executive | Ugandan Support from the Diaspora

Feb 2023 - Feb 2024

- Created social media content with the use of Canva to promote USD's activities with donors and partners.
- Maintained and updated the organization's website and social media channels
- Actively communicated information and answered questions received through USD's website and social channels.

## Teaching Assistant | SUNY Plattsburgh

August 2022 - December 2022

- Aided in the instruction of the 'Intro to Programming' course at SUNY Plattsburgh.
- Tutored and graded homework for a class of 20 undergraduate students.
- Advised on in-person lab sessions and held office hours for students.

## Team Leader | Turi Leadership Award- St. Andrew's Turi

**September 2017 - June 2019** 

- Participated in leadership seminars and devised a school improvement plan
- Taught Math and English lessons to elementary school students within the Molo, Kenya community
- Participated in the renovation of two classroom buildings at Paul Boit Secondary School in Eldoret Kenya
- Coordinated team building activities during expedition to Paul Boit Secondary School.

# **Awards**

#### **NABA New York Scholarship**

June 2022

Selected as one of twelve recipients by Deloitte for the 2022/2023 academic year based on demonstration of good grades, strong leadership, and incredible aptitude.

#### **Global Diversity Award**

August 2020

A partial tuition credit awarded to accepted international students at State University of New York at Plattsburgh

#### **Campus Community Award**

August 2020

A partial tuition credit awarded to enrolled international students residing on campus at State University of New York at Plattsburgh

IT Subject Award May 2019

Awarded to the highest scoring A Level student in Information Technology by St. Andrews School Turi.