

## PROFESSIONAL SUMMARY

### Data Scientist

Develop valuable process solutions to meet set objectives. Enhance productivity using skills such as: advanced statistical analysis, creative problem solving skills, data mining, and visualization. I am prepared to lead teams in predictive modelling and insight reporting to boost company effectiveness, efficiency, strategic goals and profit.

## KEY QUALIFICATIONS

Research | Policy Analysis | Interview Design | Big Data Manipulation  
Forecasts | Report Writing | Simulation Recommendations | Sensitivity Analyses  
Dashboard Development | Statistical Analyses | Front End Development | Data Visualization  
Potential Income Forecasts | Data Mining | Data Management

## EXPERIENCE

### ***South Dakota State University, Brookings, South Dakota***

August 2022–Present

#### **Graduate Teaching Assistant** | Statistics Department

- Teaching introductory courses to undergraduate students.
- Aiding in supplemental labs to improve student performance.
- Collaborating with fellow Graduate Teaching Assistants to prepare teaching materials.
- Assist professors with grading assignments and homework.

### ***Institute of Economic Affairs, Nairobi, Kenya***

October 2020–July 2022

#### **Research Assistant**

- Co-authored *Way forward on Kenya's Public Debt Distress*.
- Published a research paper on *The Impact of HELB on Tertiary Education*.
- Developed dashboards that pulled information directly from the World Bank database.
- Modelled interview questions for a number of projects.
- Increased data entry productivity by maintaining detailed logs of data, identifying issues, and improving them.
- Analyzed different policies to gauge their feasibility.
- Supported the analysis and interpretation of statistical data for various projects.

### ***Guarantee Trust Bank, Nairobi, Kenya***

May 2019–August 2019

#### **Intern**

- Aided in the preparation of reports for the settlement and reconciliation departments.
- Posted cash statements and mobile banking reconciliations in an accurate and timely manner.

## EDUCATION

- **Master of Science in Statistics**
  - Current GPA – 3.67 at South Dakota State University – South Dakota.
- **Bachelor of Science in Applied Statistics**
  - First Class Honors at Masinde Muliro University of Science and Technology – Kenya.

## CERTIFICATIONS

Data Science  
Software Development

Machine Learning

Python

SQL – MySQL

#### TECHNICAL SKILLS

**Data Science Applications:** Anaconda, GitHub

**Programming Languages:** R, VBA, SQL, Python

**Software:** Microsoft Word, Excel

#### Research Interests

- **Recommendation Systems**
- **Machine Learning Algorithms for financial Modeling**