

SHARON JEPKOSGEI

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📍 Texas, United States; 325-901-4597; [Website/Portfolio](#)

EDUCATION

MS in Social Data Analytics and Research

The University of Texas at Dallas

GPA 3.973

Jan 2023 – Dec 2024

BSc in Economics and Statistics

Kenyatta University

First Class Honors

Graduation: Jul 2021

TECHNICAL SKILLS

Natural Language Processing: Text analysis, sentiment analysis, language modeling

Machine Learning: Model Training and Evaluation, Logistic Regression

Statistical Learning & Programming: Predictive modeling, statistical inference, and feature selection

Visualization Tools: Tableau, Jupyter Notebook, Shiny, R, MS Excel

Programming & Data Analysis Tools: Python (Pandas, NumPy), SQL, SPSS, STATA, R

Big Data: ETL processes, working with large datasets, exploratory data analysis

WORK EXPERIENCE

Research Assistant

Center for Brain Health, UT Dallas

Aug 2023 – Dec 2024

Texas, USA

- Collected, transformed, and analyzed large datasets to uncover actionable insights for team monthly bulletins, reports and presentations.
- Used R to visualize complex trends, ensuring timely updates and actionable insights for Brainomics Venture.

Research Consultant

Kihara & Wayne Advocates

Oct 2021 - Dec 2022

Nairobi, Kenya

- Designed and analyzed data for legal and social research projects, utilizing STATA, SPSS, and Excel.
- Produced reports that drove a 12% increase in client satisfaction by improving decision-making processes.

Enumerator, GCRF soil survey project

Mount Kenya University in Collaboration with Hull University

Jun 2021 - Aug 2021

Kenya

- Developed high-quality questionnaires and conducted data collection on farmers' perspectives on introducing analytical tools for point-of-need in Kiambu and Murang'a counties.
- Implemented soil nutrition surveillance in resource-limited settings, resulting in a remarkable increase in soil nutrient quality and upto 18% increase in crop yield in the study area.
- Conducted high-accuracy data collection using ODK tools, achieving a 90% accuracy rate and 2-day reduction in data collection time compared to previous studies.

Statistical Attaché

Kerio Valley Development Authority (KVDA)

Apr 2019 - Aug 2019

Eldoret, Kenya

- Implemented comprehensive data dictionaries and robust data validation processes, enhancing data quality by 50%.
- Conducted statistical analysis and provided recommendations, directly improving organizational operations.

VOLUNTEER EXPERIENCE

Social Media Volunteer

Inua Dada Foundation

Jan 2018 - Jan 2019

Nairobi, Kenya

- Created the 'For Our Girls' campaign that helped raised over \$10,000 in donations in three months for the purchase of sanitary towels for teenage girls in rural areas.

ACADEMIC PROJECT

The University of Texas at Dallas

Information Management

Jan 2023 - Apr 2023

- Developed a web-based analytics tool using PostgreSQL and Shiny for real-time data visualization (<https://sharonjepkosgei.shinyapps.io/exploreApp/>).

ADDITIONAL INFORMATION

Certificates: Google Data Analytics Professional Certificate, 2022; Data analytics with SPSS and Advanced Excel

Languages: Advanced Swahili