

SHARON JEPKOSGEI

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

EDUCATION

MSc 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

Data Management: Data cleaning, data analysis, data visualization, and data modeling

Machine Learning: Model training, evaluation, and optimization

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

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

Statistical Programming Languages: R, Python, SPSS, SQL, and STATA

Microsoft Office Suite: MS Word, MS PowerPoint, MS Excel, Outlook

WORK EXPERIENCE

Research Assistant

Center for Brain Health, UT Dallas

Aug 2023 – Dec 2024

Texas, USA

- Gather data and transform it into insights for Brainomics Venture bulletins, presentations, and reports ensuring that the team has up-to-date and relevant data at their disposal.

Research Consultant

Kihara & Wayne Advocates

Oct 2021 - Dec 2022

Nairobi, Kenya

- Collaborated in the testing and development of questionnaires for various projects in Nairobi, Kajiado, and Kiambu counties, resulting in cost savings of approximately \$2000 per project.
- Conducted data analysis using STATA, Excel, and SPSS, leading to accurate and actionable findings for each study. Compiled reports based on the findings, contributing to a significant 10% increase in customer satisfaction.

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 30% increase in soil nutrient quality and a 20% increase in crop yield in the study area. Maintained a high data accuracy rate of 90%, ensuring the reliability and usefulness of the collected data.
- Demonstrated expertise in developing and administering surveys, utilizing data collection tools such as ODK collect, which led to increased stakeholder satisfaction and a 2-day reduction in data collection time compared to previous studies.

Statistical Attaché

Kerio Valley Development Authority (KVDA)

Apr 2019 - Aug 2019

Eldoret, Kenya

- Created comprehensive data dictionaries using Excel and Survey Questionnaires, resulting in a 50% reduction in data entry errors and a 40% increase in data consistency.
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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.
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ACADEMIC PROJECT

The University of Texas at Dallas

Information Management

Jan 2023 - Apr 2023

- Developed a web-based application using a Postgres relational database designed and built in pgAdmin 4 (<https://sharonjepkosgei.shinyapps.io/exploreApp/>).
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ADDITIONAL INFORMATION

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

Languages: Advanced Swahili