Wesley Kirui

Nairobi, Kenya
✆ +254728586597
✉ kkiruiwesley@gmail.com
🖥 wkirui.github.io/

Work Experience

September 2022 - Present
Data Specialist, *Innovations for Poverty Action*, Nairobi, Kenya
- Provide high-quality, advanced deliverables in SurveyCTO and Stata
- Support the testing and the debugging of team's global technical products
- Provide code reviews to Data associates and other research staff

February 2022 - September 2022
Senior Data Analyst, *Pula Advisors*, Nairobi, Kenya
- Define and standardize data quality protocols including data quality metrics
- Lead a team of data analysts

May 2021 - January 2022
Operations Analyst, *Pula Advisors*, Nairobi, Kenya
- Build and maintain data quality analytics tools using Python and Metabase
- Run operations data quality checks and identify opportunities for improvement and scalability through machine learning and data science
- Design and standardize data collection tools using Commcare

October 2020 - Present
Freelance Software Developer, *Freelance*, Nairobi, Kenya
- Automate data reporting and analysis using Google App Scripts and Macros
- Build Machine learning applications using Python and Javascript
- Develop backend systems for data storage using Firebase and Google Cloud Platform
- Build data web scraping pipelines using BeautifulSoup, Scrapy and Selenium

September 2019 - September 2020
Senior Data Systems Officer, *Komaza Forestry Ltd*, Kilifi, Kenya
- Ran complex queries on different datasets to generate insights
- Used statistical and regression analysis methods to answer key business questions
- Led and trained the data assistants on data validation systems and guidelines
- Worked closely with the product development team to resolve mobile and web application bugs

January 2018 - August 2019
Data Systems Officer, *Komaza Forestry Ltd*, Kilifi, Kenya
- Managed a system to track 2 million seedlings planted with over 10,000 small scale farmers
- Created regional analysis dashboards and reports for design and management teams influencing key strategic business decisions
- Generated new data insights using statistical analysis, machine learning and spatial analysis
- Created, tested and troubleshot SurveyCTO data collection forms
- Monitored and audited data for quality and consistency
- Led the data assistants team

July 2017 - December 2017
Data Systems Fellow, *Komaza NGO*, Kilifi, Kenya
- Built and delivered a system to enrol and manage over 16000 farmers
- Created and managed data analysis dashboards and reports for field and office teams
- Created training materials for the field team and the data assistants

March 2017 - July 2017
Data Specialist, *CloudFactory*, Nairobi, Kenya
- Analyzed and verified data for clients in the online workstream
- Troubleshot online workstream delivery challenges

August 2016 - December 2016
Project Analyst, *Tanuru Group*, Nairobi, Kenya
- Researched and analysed the industrial uses of soybeans in Kenya and the region
- Conducted market feasibility assessment for integrated value addition of soybeans
- Developed and maintained a database for soybean consumers in the region

Education

August 2012 - May 2016
BSc Mathematics and Economics, *St. Lawrence University*, Canton New York, USA

Skills

Programming	R, Python, Javascript,SQL, Git, Github, Flask, Jupyter,Colab, Metabase
Languages	English (Fluent), Swahili (Fluent)
Leadership	Communication, Team Leadership

Personal Projects

September 2020 **Machine Learning - Airbnb Price Prediction**
- Used data from Inside Airbnb to create a regression model for Airbnb listings in Berlin, Germany
- Cleaned the data using Pandas and Numpy and used matplotlib and seaborn for visualization
- Used hyperparameter tuning to improve model predictions
- Created a Streamlit app to share the analysis and deployed the app on Heroku