



Joan Njoroge

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Nationality: Kenyan

ABOUT ME

An experienced full-stack data scientist, equipped with a diverse skill set as well as proactive in mastering new skills seeking a position as a data scientist. Proficient in Python and its frameworks. Able to effectively handle independent projects, as well as collaborate in a team to achieve business need. I love working with data, being able to explore and find creative ways to solve problems.

WORK EXPERIENCE

[03/05/2024 – Current]

web development and robotics teacher-EduTechAI

Smart brains Kenya

City: Nairobi | **Country:** Kenya

- Design and implement engaging lesson plans that cover both basic and advanced coding topics.
- Teach a range of programming languages (HTML/CSS, JavaScript, Arduino) and software development practices.
- Evaluate student progress and provide helpful feedback to facilitate skill improvement.
- Foster a supportive classroom environment that encourages teamwork and creativity.
- Stay informed about the latest developments in technology and coding to enhance the curriculum.
- Organize coding projects, competitions, and workshops to promote hands-on learning.

[2019 – 2021]

Sales manager

Oran Collections.

City: Nairobi | **Country:** Kenya

Training new employees, coordinate stock management/ stock data collection, overseeing operations and maintaining books of accounts

[02/2021 – 03/2022]

Secretary

International Strategy Centre

City: Nairobi | **Country:** Kenya

draft and send e-mails, maintain books of accounts, arrange appointments, file documents and coordinate surveys for data collection

EDUCATION AND TRAINING

[04/2023 – Current]

FlatIron School Data Science Course

Moringa school <https://moringaschool.com/>

City: Nairobi | **Country:** Kenya |

[08/2015 – 08/2019]

BSc (HONS): COMPUTER SCIENCE AND ARTIFICIAL INTELLIGENCE:

University of Nottingham <https://www.nottingham.ac.uk/ugstudy/course/Computer-Science-with-Artificial-Intelligence-BSc>

Address: Nottingham, United Kingdom |

[12/2008 – 11/2012] **KCSE : A-**

St. Georges Girls School

Address: Nairobi, Kilimani, Nairobi, Kenya |

DIGITAL SKILLS

My Digital Skills

Python (matplotlib, pandas, numpy, etc) | Data analysis, Data-driven decision making, Data cleaning, Data Visualization | Linear / Multiple Linear Regression | Natural language Processing | Familiarity with scikit-learn, TensorFlow Machine Learning libraries | Exploratory data analysis, Modelling-evaluation & deployment | Other skills: Data-Science, GIS and Remote Sensing, Math and Statistic | MicroStrategy, PowerBI, Qlikview, Tableau | Team-work oriented | SQL (MySQL) | Microsoft Office | Organizational and planning skills

PUBLICATIONS

[2019] [**Convolution Neural Networks for Head pose estimation "in the wild"**](#)

Research detailing the evolution of face tracking and pose estimation methods.

PROJECTS

[08/2018 – 04/2019] **Head Pose Estimation**

Industrial Experience in research and development of an Advanced Driver Assistance System using Python for Microlise Telematics.

Link: <https://github.com/kafura0/attention-detection>

[08/2017 – 04/2018] **Geo-Spatial Data collection and analysis using ArcGIS**

Landsat data collection and processing to chart changes in the vegetation index for Crop For the Future, Malaysia.

[07/2023 – 08/2023] **Natural Language Processing**

Project aimed at identifying and classifying the category of a post published depending on the content. **Tools:** Python, SciKit-learn, NLTK

Link: <https://github.com/kafura0/dsc-nlp-lab>

REFERENCES

Eric Wanjohi, HSC

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