Adah Kibet

Data Scientist and Machine Learning Engineer ready for remote work or relocation with 3+ years of experience working in Bio Tech, AI, Ed Tech and Software companies using Python, R and Matlab. I have a keen interest in research and combining it with engineering implementations to develop products and create informative, decisive and sustainable analytical and production workflows.

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SKILLS

Python   R   Matlab
TensorFlow   Kubeflow
ScikitLearn   PyTorch
Bert   Linux
Django   Bayesian Inf.
Hadoop   Git   NLP
QGIS   EC2   SQL
Spark   SciPy
Kubernetes   S3
Numpy   Bash
Keras   MongoDB
Tableau   Power BI

PROJECTS

D.L Architectures

Language Modeling

Spatial Modeling

Graph Theory

Financial Modeling

WORK EXPERIENCE

Member Board of Trustees
10 Academy

04/2022 - Present   *Santa Clara, United States (Remote)*

- Approval of the annual activity plan, budget and financial reports.

Data Scientist
Pivot Bio.

02/2021 - 05/2022   *Berkeley, USA. (Remote).*

- Automated checks for microbial strains survival by building a 91% accurate CNN time-series classification model using TensorFlow.
- Conducted Power Analyses to inform experimental designs for microbial and field trials.
- Led the Data Engineering support team. Built ETL pipelines using SQL, Spark, Pandas and Hadoop.
- Disqualified the validity of satellite imagery in detecting product effect by bagging bayesian mixed-effect regressors for 300 field trials point data in Python, R and QGIS.
- Automated generation of reports on the status of data in the warehouse by building a python library.
- Set satellite imagery streaming and analysis pipelines through automated API calls from Planet and Descartes Labs in Python.
- Designed, prototyped, implemented, evaluated and deployed a Lidar Toolkit app in Flask and Bash.

Machine Learning and Conversational AI Engineer
Traits AI.

01/2021 - 08/2021   *San Diego, USA (Remote).*

- Researched, built, trained, tested, optimised and deployed the FastSpeech2 Text to Speech Conversational AI model using RNNS and GANS in PyTorch on distributed GPU clusters.
- Researched, built and trained the Synthesize Obama Speech to Video model in PyTorch and Scikit Learn on AWS EC2 instances. Used AWS S3 as the data store.
- Optimised loss functions through hyperparameters tuning with the aid of a TensorBoard.

Data Science Intern
10 Academy

06/2020 - 10/2020   *Berlin, Germany (Remote)*

- Quantified the impact of the COVID-19 Kenyan government policy interventions by performing change point analysis using Python's Theano and Pymc3
- Built and deployed a pharmaceutical sales forecasting and analysis web app using Python and Heroku. Used a Random Forest Regression model with an MSE of 0.019 for the forecasting.
- Quantified the impact of an Ad-campaign on brand awareness by performing classical and sequential AB testing. The analysis concluded an awareness lift of 1.2%.
- Analysed users' experience, engagement and satisfaction of a telecommunications company to check for growth opportunities and make recommendation on whether it is worth buying or selling.
- Quantified the impact of Covid-19 lock down policies on air quality by performing Sentiment Analysis, Topic Modeling and Time Series Analysis on Twitter data. Used Python's tweepy, spacy, nltk.

Software Engineering Intern
Swahili Box Hub.

04/2019 - 10/2019   *Mombasa, Kenya.*

- Designed, built and deployed a Marine Biome management web app using Django, JS and PostgreSQL.
- Integrated GitHub CI/CD into the development lifecycle.

EDUCATION

B.Sc Mathematics and Computer Science.
Technical University of Mombasa.

09/2016 - 02/2021   *2nd Class Honors, Upper Division.*