

TAIWO OWOSENI

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POINT OF INTEREST

Passionate graduate with experience in data processing, regression models, predictive modeling, and natural language processing. Skilled in Python and R. Eager to apply theoretical knowledge to practical applications and develop innovative machine learning solutions in health and ecommerce industries.

SKILLS

Applications: AWS, Docker, PowerBI, Excel, Github, Git, Jupyter Notebook, RStudio

Programming Languages: Python, R

Database: MongoDB, MySQL, PostgreSQL

Libraries: Numpy, OpenCV, Ski-Image, Pandas, Pytorch, Scikit-Learn, Matplotlib, PIL, hugging face, ggplot, dplyr

Technical Skills: Open source, XGboost, GLM, Regression, Clustering, Experiment design, LSTM, SVM

PROJECTS

Opinion Mining: sentiment analysis on twitter data of viewers of the circle 4

Built a **dashboard** using **react** to show the sentiments of twitter users who commented on "TheCircle4". The **sentiments** were predicted using a pretrained sentiment analysis **transformer** from **hugging face**.

Statistics: smart AD AB testing

Designed an **A/B testing** on **ad click-through rate**. The primary aim was to compare user interactions with the questionnaire to determine which interaction statistically improves CTR.

Machine Learning: feature interpretation and analysis

Interpreted, analyzed and compared the **features importance** of three machine learning algorithms. **random forest**, **logistics regression** and **light gradient boost** on a pumpkin dataset found in **Kaggle**.

Data Visualization: Netflix dashboard

A dashboard app to visualize Netflix shows.

EDUCATION

Master of Data Science, GPA: 3.71/ 4.0

Jun '22

University of British Columbia, Vancouver, BC, Canada.

Relevant courses: Machine Learning, Inferential statistics, Software Development, Database retrieval.

Bachelor of Technology, Computer Science, GPA: 4.07/5

Oct '18

University of British Columbia, Vancouver, BC, Canada.

Relevant courses: Database Management, Computer Networks, Data Structures and Algorithms

EXPERIENCE

Graduate Teaching Assistant: CSPC 368 – Database in Data Science

Feb '22– Apr '22

Department of Computer Science, University of British Columbia

Explained terminologies and database concepts to students, leading to engaging question and answer sessions on slack group chat. Provided meaningful direction and direct feedback for student work and projects

Open-Source Contributor – Sktime

May '21 – Sep '21

Refactored existing forecaster classes and the base class forecaster to eliminate redundant code using python. This improved new users' interaction with the Sktime library and eased the extension of the Sktime library.

Junior BI Operation - Airtel Nigeria aa

Sep '20 – May '21

Developed SQL scripts to investigate and verify customers' profiles. To aid in the identification of suspected terrorists popularly known as Boko haram in Nigeria.

Data Analyst - OneHealth Nigeria

Jun '20 – Sep '20

Identified top customers' buying patterns and proposed to the pharmacist the creation of a program to engage these customers and it boosted sales by 20 percent.

VOLUNTEER

DATA UMBRELLA – Open-Source Contributor

May '22

Contributed to the documentation of learning resources such as videos from Scipy events for easy accessibility.

FIRST ROBOTICS – Referee

Feb '22

Recorded teams' scores and observed the match to penalize and warn teammates according to the FIRST's referee's manual.

Constantly reminded the team members to embody the FIRST "Gracious Professionalism" ethos.

AWARDS & CERTIFICATIONS

AWS Certified Developer – Associate

'22

SQL for Data Science

'20

UBC Mastercard Foundation Scholar

'20

Microsoft Leap Hackathon

'19

Abdul-Kabir Aliu Foundation Scholar

'15 - '18

AWS Certified Cloud Practitioner

(In view)