

TAIWO OWOSENI

[Github](#) [Website](#) [Linkedin](#) [Gmail](#)

Educational History

- Masters of Data Science** Sep '21 – Jun '22
University of British Columbia, Vancouver, BC, Canada
Award: UBC - MasterCard Foundation Scholar
- Bachelor of Technology (Honours), Computer Science** Jan '13 – Oct '18
Federal University of Technology, Akure, Nigeria
Award: Abdul-Kabir Aliu Foundation Scholar
- Certifications**
AWS Cloud Practitioner [Link](#)
Introduction to Big Data [Link](#)
Natural Language Processing with Classification and Vector Spaces [Link](#)

Professional History

- Open-source Software Engineer** May '21 – Sep '21
Sktime, Outreachy
- Used agile methodology to create a project centered on reducing package deployment time. This involved refactoring code base to eliminate redundant code
 - Improved code documentation of the Sktime library by 25%, which led to quicker onboarding of new contributors
 - Managed and led the annual Dev Week, and gave a presentation of new features, leading to awareness of Sktime library
 - Improved code coverage by 30%, which ensured the code base was resilient to failure
- Business Intelligence Operations Analyst** Sep '20 – May '21
Airtel Nigeria
- Constructed a scheduled process with focus on resolving system errors, which improved the reconciliation product by 50%
 - Revamped data dictionaries to match business cases, which improved productivity of several business teams exponentially
 - Presented business reports to stakeholder and communicated researched market opportunities and trends
 - Prevented fraud and identify theft by Investigated over 100 fraudulent profiles and authenticated over 1,000,000 existing customer profiles
- Data Analyst** Jun '20 – Sep '20
OneHealth Nigeria
- Supervised and trained sales pharmacists to practice quality data entry, and communicate findings with dashboards
 - Proactively identified top customers' buying patterns, and proposed sales strategies that increased sales by 20%
 - Increased revenue by implementing A/B testing to analyse user interaction with versions of OneHealth's website, which improved accessibility to retail products
 - Developed data migration process, by correcting various data integrity issues and ensuring uniformity across all data fields
 - Improved sales, by using basket analysis algorithm to analyse complementary products 3 months before shell life
 - Built a functioning ETL pipeline to implement data quality control, which increased creation of visuals efficiency by 50%

Skills

Product: Jira, Confluence, Trello, Microsoft word, Google doc, Power point, Verbal and written communication
Machine Learning: Python, Decision Trees, R, Numpy, Pytorch, Scikit-Learn, Hugging Face Transformers, Keras, Tensorflow
Data Analytics & Engineering: Hadoop, Excel, PostgreSQL, Spark, Matplotlib, Pandas, T-SQL, Parquet, Airflow, MySQL, Shiny
Cloud Technologies: Kinesis, AWS Lambda, AWS Glue, Power BI, Tableau, Athena, EC2, Docker, Linux, Cloud Watch

Projects

- Predicting Types of Cyberbullying from Tweets** [Link](#)
- Tools:* Python, NLTK, Pandas, Scikit-Learn, Github, Git, Pytorch, Hugging Face
 - Goal:* Compared the accuracies of deep learning model used to categorize tweets into cyber bullying classes
 - Method:* Trained, validated and test data on CNN, LSTM and Pretrained Transformer
 - Outcome:* Awarded most distinguished project in the Vector Institutes Program, and won a cash prize of \$500
- Detecting Photo of Photo**
- Tools:* Python, Dash, HTML, CSS, Pandas, Scikit-Learn, Github, Numpy, Github Project
 - Goal:* Designed a Machine learning model to distinguish between recaptured and original images
 - Method:* Trained, validated and tested the model on hundreds of images using Ridge Regression model. Built a web-based product that distinguishes between recaptured and original images
- Scheduled Automated Real-time Data pipeline to scrape EarthQuake Data** [Link](#)
- Tools:* Cronjob, Pandas, Github Actions, Python
 - Goal:* Built a real-time data pipeline integrated in python scripts, to ingest scraped tweets generated by earthquakeBot
 - Method:* Transformed scraped data and partition data. Created a heat map to show magnitude of earthquake in the world