

Ebenezer Oyeku

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EDUCATION

University of Salford

Masters of Data Science

Manchester, UK

Jan 2022 – July 2023

- **MSc Project & Dissertation:** Using Machine Learning to Measure Biodiversity Across UK (72%)
- **Grade:** Distinction

University of Greenwich

Bachelor of Computing Science

London, UK

July 2011 – July 2012

- **Grade:** Merit

WORK EXPERIENCE

Conflict Armament Research

Data Scientist Technical Consultant (Contract)

London

March 2024 – Present

- Delivering technical assistance and troubleshooting for data automation utilising Esri ArcGIS and AWS Technologies.
- Collaborating with stakeholders to identify requirements and provide tailored technical solutions.
- Developing and implementing Python scripts and Jupyter Notebooks to streamline data processes.
- Utilising Amazon Web Services (AWS) to deploy and manage cloud-based solutions
- Integrating and supporting users on ArcGIS products and functionalities.
- Contributing to the development of best practices and documentation for technical solutions.
- Proactively identifying opportunities for process improvement and efficiency gains.
- Maintaining up-to-date knowledge of industry trends and emerging GIS and cloud computing technologies.

Webplanet Consulting and Services

Data Analyst / Data Scientist (Contract)

London

Feb 2024 – Present

- Converted data into actionable insights and oversaw the entire lifecycle of data analysis projects.
- Utilised tools like MS SQL, Tableau, and PowerBi for data intelligence.
- Redefined and tracked KPIs, leading to a 38% increase in landing page conversion rates.
- Collaborated on insight discovery to enhance business goals and Managed CRM development.
- Ensured adherence to data policies, including GDPR.
- Designed and maintained relational databases (PostgreSQL, SQL Server), handling database triggers and ETL processes.
- Automated data workflows using AWS Lambdas and other scripting methods.
- Developed tools for monitoring data health and accessibility.
- Worked on cloud platforms such as AWS, managing data storage and computation resources.
- I gained experience with geospatial toolkits, including ArcGIS and PostGIS.

Age Check Certification Limited

Data Scientist / Data Engineer

Manchester

Jan 2023 – Jan 2024

- Analysed age estimation software, assessing its Mean Absolute Error (MAE) and overall reliability.
- Utilised a diverse dataset of age-labelled images to evaluate and test the algorithm's accuracy.
- Identified error patterns and provided actionable recommendations for software enhancements.
- Collaborated with the development team, ensuring software standards and staying updated on the latest techniques.
- Assisted in database development and administration, focusing on relational databases.
- Supported data pipeline automation through scripting and configuration.
- Participated in the development of data models for company information systems.
- Engaged in troubleshooting and maintaining Unix/Linux operating systems.

Ethos VO & Wilder Sensing LTD*Data Scientist (Live Dissertation/Internship)***Surrey**

Feb 2023 – May 2023

- Contributed to the Wilder Sensing project, developing a platform for biodiversity insights using Machine Learning and Big-Data Analytics.
- Analysed audio recordings from remote devices to detect bird call frequencies and infer bird populations using deep learning.
- Established and statistically analysed a database for bird call detection, producing reports on biodiversity populations.
- Created a predictive model for the geographical location of deployed IoT devices.

Manchester University NHS Foundation Trust(MFT)*Data Migration Administrator/Resourcing Administrator (contract)***Manchester**

August 2022 – Jan 2023

- Collaborated with the HIVE Team on MFT's clinical transformation program across ten hospitals, centralising patient records for improved service delivery.
- Managed patient data in Hyperspace Hive, including booking appointments, validating records, reducing data duplication, and migrating patient pathways and waiting lists.
- Trained MFT staff on Hive software, supported user engagement and handled deployment and troubleshooting of Hive-embedded iPhones for hospitals.
- Analysed user data for MFT clinical resourcing, monitored KPIs on Business Intelligence software, and processed job application datasets in Excel for legacy software integration.

EXTRA-CURRICULARS & VOLUNTEERING EXPERIENCE**Wilder Sensing****Surrey***Virtual*

Feb 2023 – May 2023

- As a volunteer, I contributed to Wilder Sensing's use of deep learning and statistics to analyse bird calls and report on estate-wide biodiversity.

University of Greenwich**London***Virtual*

Feb 2023 – Till Date

- As a volunteer, I contributed to Wilder Sensing's use of deep learning and statistics to analyse bird calls and report on estate-wide biodiversity.

JW.ORG**Nigeria/Vietnam/United Kingdom***Virtual*

2009 – Till

Date

- I assisted with various educational programs, contributed to the technical aspects of the website, and participated in community outreach, recognising each contribution's vital role.

TECHNOLOGY SKILLS

Database: Microsoft SQL Server, Microsoft Access, Oracle 10g, Oracle Developer, Oracle XE, Mongo DB, MySQL, PostgreSQL

DevOps: GitHub, Bitbucket, SourceTree, GitLab

Operating System: Microsoft Windows Operating System, Linux (Ubuntu, Solaris, Kali)

Office Tools: Microsoft Office Tools (Word, Excel, Project, Access, PowerPoint, Publisher, Visio)

Cloud Services and Technologies: Amazon Web Services, Microsoft Azure

Data Visualisation: Matplotlib, Seaborn, Tableau, PowerBi

Big data technologies: Hadoop, Spark, Databricks, Hive, Athena, SageMaker

Machine learning & Data Mining: Linear regression, logistic regression, decision trees, k-means clustering, Neural Network, KNN Classification, Association Rule Mining, Dscan Clustering, Hierarchical, K means, Text Mining, and Sentiment Analysis Algorithm.

Statistical Analysis: Regression Analysis, Time Series Analysis, Comparative Analysis, Correlative Analysis, and Descriptive Analysis

Programming languages: Python, R, SQL

PROJECTS

- Analysing biological diversity across the UK's ecological estates using data science.
- Studying the impact of economic factors and pandemics on countries of varying populations over a decade.
- Investigating economic indicators in developed and least developed countries through multiple analytical methods.
- Predicting employee behaviour patterns related to lateness and absenteeism using Azure Machine Learning.
- Exploring the influence of household amenities on student education outcomes in Vietnam.
- Segmenting distributor company customers for loyalty rewards using machine learning clustering algorithms.
- Conducting sentiment analysis on reviews of 30 English-named hotels and restaurants in Thailand.
- Analysing 2021 clinical trial trends using an array of big data tools.
- Mapping crime data in Greater Manchester's ten regions using geospatial software.