

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

London

Data Scientist Technical Consultant (Contract)

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

London

Data Analyst / Data Scientist (Contract)

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.
- Gained experience with geospatial toolkits, including ArcGIS and PostGIS.

Age Check Certification Limited

Manchester

Data Scientist / Data Engineer

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	Surrey
<i>Data Scientist (Live Dissertation/Internship)</i>	Feb 2023 – May 2023
<ul style="list-style-type: none"> 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)	Manchester
<i>Data Migration Administrator/Resourcing Administrator (contract)</i>	August 2022 – Jan 2023
<ul style="list-style-type: none"> 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
<i>Virtual</i>	Feb 2023 – May 2023
<ul style="list-style-type: none"> 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	
<i>Virtual</i>	London
<ul style="list-style-type: none"> 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
<i>Virtual</i>	2009 – Till
Date	
<ul style="list-style-type: none"> 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.