**Uyi Alex Igbinoba**

**Machine Learning Data Scientist.**

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**PERSONAL STATEMENT**

I am a skilled Machine Learning data scientist with over 3 years of practical experience in supervised and unsupervised learning models. I excel in building models that support remote activity recognition for people patients placed on physiotherapy using tools like R, Machine Learning Open-Source software. I am also good at SQL, Power BI, Excel Macros, Tableau, SAP as a data analyst.

**ACHIEVEMENT**

1. Successfully developed machine learning models for activity recognition.
2. Successfully modified a machine learning algorithm to optimize its performance for an activity recognition tasks.
3. Successfully developed a machine learning based project University of Hall Teaching Hospital patients.

**EXPERIENCE**

**Analyst**

**NHS England & Improvement  
Quarry House, Leeds**

**From September 2020 to Date**

1. Analyse regular tasks and ad-hoc requests, agreeing timescales with customers and the team and provide support and guidance. Support specification of requests and ensure robust quality assurance processes are undertaken. Support the Autism policy team with the development of a data strategy in identifying relevant and appropriate data sources, how data could be used, data quality issues, presentation and interpretation of analysis.
2. Manage the production and updating of the Autism slide pack. Work closely with the policy team to agree the data requirements and coordinate resource from within the team to update and quality assure the slides on a regular basis.
3. Analysis of the Learning Disability & Autism Annual Health Check (AHC) dataset. Develop knowledge and understanding of the dataset in order to map patients who have undergone AHC by CCG's and PCN. Be able to provide analysis to answer questions specified by the policy team. Share the knowledge and learning with the team to also produce analysis of patients with a learning disability
4. Develop a broad understanding of the different work areas in the team so that I can provide analysis. For both the AT and LeDeR data processing: Gain an understanding of the datasets by producing data requests, providing quality assurance and supporting the band 6 & Data Apprentice analysts with requests where appropriate. Develop an understanding of the monthly and weekly processing so that I can provide senior analyst support when required.
5. Data Modelling, Mapping, & Statistical Analysis. Performing various ad-hoc tasks for the wider analytical group. Extract, transform and load data into data warehouse.
6. Investigating Data quality issues, data flow in SQL server. Amending and maintaining views, stored procedures and SQL tables.
7. Maintenance of internal reporting tools. Analysis and report production for senior management use and decision makers.
8. Maintenance of Tableaux Dashboards, production of dashboards for decision makers within the organization.
9. Support new areas of work within the team as and when required, including the priorities of the Long Term Plan.
10. Be aware of and sensitive to the diversity within our team and support inclusion and opportunities for everyone to be involved in work and non-work things. Be an advocate for flexible working and work/life balance and promote ways of maintaining good health and wellbeing.
11. Demonstrate competence in the use of tools such as Power BI for data manipulation, excel for ad-hoc analytical request meant for the wider team.
12. Provision of line management support to junior analyst within the team and also line management support for data analytical apprentice.
13. Work collaboration with a quality assurance group aimed at developing a quality assurance framework for the wider DAIS team and for newly employed analyst.

**Machine Learning Researcher**

**Leeds Beckett University**

**From January 2019 to November 2019**

1. Using Machine learning and statistical modelling techniques to develop and evaluate algorithms to improve performance
2. Formulating data analytical problems collaboratively with other data scientist
3. Building Predictive and rule-based machine learning analytics
4. Designs and implement new machine learning based approach based on existing frameworks
5. Working knowledge of state-of-the-art machine learning techniques
6. Machine learning research and development

**Machine Learning Analyst**

**Hull University Teaching Hospital**

**From June 2018 to December 2018**

1. Worked with Data Scientist, Clinicians & Professor to frame a problem, both mathematically and within the clinical context
2. Train, Test and Cross - Validate algorithms. Choosing appropriate feature extraction and selection techniques.
3. Combining mathematical concepts with machine learning algorithms for performance improvement.
4. Research and development on new methods and techniques in machine learning algorithms.
5. Develop the team capability on data science and machine learning analytics.
6. Develop machine learning models for activity recognition and outlier detection.
7. Research and develop state of the art techniques for processing time series data from tri-axial accelerometers.
8. Running Batch processing for comparing models across numerous UCR datasets.
9. Data collection for different activities, Pre-processing and cleansing the data, deploying data for algorithm training.
10. Signal processing, pattern recognition and image recognition

**Machine Learning Researcher**

**Leeds Beckett University**

**From October 2017 to May 2018**

1. Gathering data using wearable accelerometers that covers activity been performed when sensors are worn with the aim of developing a solution for patients living with stroke.
2. Data pre-processing which includes data cleansing, visualization, feature extraction and loading. Downloading and installing the right machine learning packages for classification task, predictive task and regression analysis.
3. Running machine learning algorithms and Comparing different suitable machine learning models in terms of accuracy, computational cost, confusion matrix, F score, recall and precision.
4. Analysing. Conducting machine learning Research & Development, review paper publications from notable journals IJCM, IEEE, Elsevier, etc. finding existing gaps from literature.
5. Validating traditional and novel statistical learning techniques. Using data from UCR and UCI repositories to test novel machine learning approach.
6. Making presentation and communication of results to a cross-sectional audience. Leading experimental designs for new machine learning dependent projects.
7. Proposing the right tools, statistical approach for data collection methods for machine learning projects.
8. Work collaboratively with senior clinicians at Hull teaching hospital for the development of an activity tracking/monitoring solution based on sensor generated data (accelerometers) for stoke patients on physiotherapy.
9. Work collaboration with Leeds University (Translate Med Tech) for the development of tech solutions for the NHS.

**IT Support (Cloud Computing, ERP)**

**Sheffield Hallam Teaching Hospital  
Sheffield, Glossop Road (3 Months)**

1. Provision of support for the assessment of proposals tailored to meet clinical Unmet needs.
2. Interfacing with Digital Lead Manager in test running a Cloud based application.
3. Discussing Cloud application needs with key stakeholders. Analysing Cloud performance.
4. Translating business needs into requirements for app developer.
5. Validating outcome of proposed changes made to the application &Preparation of business case.
6. Conducting User Acceptance Test (UAT) and flagging anomalies with developer.

**Business Data Analyst**

**Marine Platforms Limited**

**From June 2014 to August 2017**

1. End-to-end commercial project management.
2. Conducting data analysis for operations, evaluating business performance.
3. Collection of data for business process improvement. Driving business improvement process across various teams within the organization
4. Translating business needs into actionable requirements. Leading business process improvement, strategy, analysis, implementation, evaluation and reports.
5. Collecting and analysing business feedback report from client, using report to improve subsequent client experience.
6. Provision of support for data migration from SAP 1 to SAP enterprise.
7. Interfacing with clients, leading negotiations and business discussions that affects operations.
8. Analysing operational efficiency, asset utilization, and work progress.
9. Providing analytical support for budgeting, preparing CTR's - costing materials, time and resources planning for projects.
10. Production of commercial analysis for monthly operations.
11. Measurement of various operational indicators against statutory target.
12. Managing client requirements for various projects. Developing CTR’s.
13. Stakeholders’ management and business development.
14. Providing support for Bids and Invitation to tender.

**IT Project Planning & Development**

**OSECUL Limited**

**From April 2010 to June 2013**

1. Software Delivery Lifecycle from end-to-end
2. IT project planning and scoping. Supporting project delivery against business objectives
3. ERP sales and business development to identified potential customers
4. Configuration of modules and deployment of Computerized Maintenance Management Solutions.
5. Provision of training to end users on ERP solution
6. Report production, workflows using ERP (IFS).
7. Provision of first line technical support to end users.
8. Asset management – Installation of tracking devices (Hiacom Trackers)

**EDUCATION**

Heriot Watt University

Computational Mathematics (M.Sc.)

November 2016

University of Port-Harcourt

Mathematics & Statistics (B.Sc.)

April 2008

**SKILLS**

MS Excel, Power BI, Macros, R, Tableaux, SQL Server 2018, SAP, MATLAB, SPSS, ETL, Statistical Modelling, Data Migration, Programming, Project Management, Agile, Waterfall, Wireframe and prototyping, Communication, Research, Interpersonal skills, Stakeholders management, team building, DevOps, Kubernetes, Unit Testing, NLP, ML.

**REFERRENCE**

Available on request.