

## Omari Ricketts, Data Scientist

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Mobile number: 07375227308

Email: Omari\_ricketts@hotmail.com

Location: Manchester, Stretford

### Professional experience

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#### **Katch Investment Group, June 2024 – Current**

#### **Data Scientist**

- Performed end-to-end data processing workflows, managing the entire lifecycle from extracting raw data from CRM systems, processing and cleaning data for accuracy and integrity, to analyzing and transforming it into actionable insights, and ultimately developing reports and visualizations to support strategic business decisions.
- Developed and maintained machine learning models to enhance forecasting accuracy, process automation, and overall business efficiency.
- Leveraged Azure AI tools to design, implement, and optimize data workflows, ensuring scalability and adaptability across departments.
- Engaged with stakeholders and cross-functional teams to understand and translate their requirements into tailored data solutions, ensuring alignment between business goals and data architecture.
- Built and maintained SQL databases and data warehousing solutions for secure, efficient storage, organization, and retrieval/manipulation of large datasets, supporting various business functions and analytics needs.
- Created and maintained Power BI dashboards to visualize key metrics, enabling real-time monitoring of company performance and KPIs.
- Application of containerization technologies Docker and Kubernetes.

#### **HM Revenue & Customs, March 2023 – December 2023**

#### **Pensions officer**

- Conducted thorough reviews of pension records, resolving discrepancies and maintaining accurate member data.
- Performed regular audits to verify the accuracy and completeness of pension records.

#### **GlobalData PLC, August 2022 – October 2022**

#### **Associate Data Analyst**

- Translated data into actionable insights for stakeholders by producing monthly and quarterly reports that summarize trends and offer strategic recommendations, supporting informed decision-making.
- Collected and collated research from both primary and secondary data sources in order to update and maintain databases and data systems.
- Conducted interviews with market players to observe current market trends to aid in data analysis.

#### **Medicines Discovery Catapult, April 2021 – April 2022**

#### **Clinical Scientist**

- Initial preparation, inactivation and completion of RNA extraction of patient samples within a class II biological containment cabinet within a UKAS accredited ISO 15189 laboratory, ensuring SOP/health and safety guidelines are strictly adhered to.
- Operating and maintaining Hamilton liquid handling machines, thereby automating the assay protocol to improve quality and drive efficiency of testing.
- Managing and handling clinical data via a laboratory information management system (LIMS), critically analysing the completed biological procedures to ensure validity of the results.
- Working systematically with a huge emphasis on precision to ensure the cross contamination resulting in false negatives or inconclusive results does not occur.

#### **TKNI Ltd, November 2019 – August 2020**

#### **Junior Data Analyst**

- Collecting, cleaning and organizing raw data using Python and Excel
- Interpreting and converting data into actionable insights by analysing the KPIs of the business, thereby drawing conclusions.
- Reporting analytical findings to senior analysts for use in business decisions

## **Education**

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### **MSc Data Science, Manchester Metropolitan University**

**September 2023- September 2024**

- Recipient of the prestigious scholarship awarded by the Office for Students in recognition of academic excellence for individuals who are members of underrepresented group within AI and Data Science.
- Conducted end-to-end machine learning analysis, encompassing the entire workflow from data compilation, exploration, and cleaning to implementing algorithms like k-nearest neighbors, boosted trees, random forest, and linear regressors, resulting in insightful classification and regression predictions on a range of real-world datasets.. Utilized various statistical tests (including Bayesian) and measures while addressing key factors affecting model performance,
- Proficient in developing and implementing Convolutional Neural Networks for image and video localization, segmentation, and classification tasks using PyTorch and TensorFlow frameworks, as well as natural language processing tasks using Transformer architectures. With a focus on fine-tuning models and optimizing hyperparameters to maximize performance, backed by a solid foundation in deep learning principles.
- Demonstrated understanding of the critical role of data governance and regulation, as well as the importance of aligning data governance practises with industry regulations and standards. Experience in using big data technologies such as Linux and Apache Spark to enhance the efficiency of handling and processing more computationally demanding processes.

### **BSc Chemistry, University of Manchester**

**2017-2020**

- Collaborated in small teams to plan and conduct over 40 laboratory experiments, ensuring precision in recording and reporting to validate results, while managing time effectively and conducting independent research.
- Strong emphasis on report writing, use of Microsoft Excel, data collection, data handling as well as practical experience using programming languages Python and MATLAB to capture and analyse numerical/chemical data.
- Course modules covered the full range of physical, analytical, organic, radio and inorganic chemistry, with a focus on organic synthesis and handling air/moisture-sensitive compounds, achieving 80% in my final year lab project.
- Excellent laboratory safety awareness and experience of completing relevant documentation (risk assessments, COSHH etc).

## **Additional skills and interests:**

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| • Experienced in Python, DAX, SQL, | •Data visualisations                          |
| • Intermediate in M Query and C#   | •Data processing                              |
| • Exposed to MATLAB and Linux      | •Data analysis                                |
| • Anime                            | •Excellent mathematic and numerical reasoning |
| • Avid gym goer and football fan   | •Bayesian Statistics                          |

## **References**

References available upon request