Sophie Bell-Gray

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ANALYTICS LEAD

Details

07539956552

sophiebellgray@gmail.com

Skills

Data Analysis

Python

SQL

Strategic Planning

Machine Learning

Communication

Presenting

Tableau

Power BI

Profile

Dynamic and detail-oriented Information and Data Analysis Lead with a proven track record of optimizing data processes and driving business growth. Possessing extensive experience in data analysis, Python, SQL, and strategic planning. My educational background includes an MSc in Data Science and a strong foundation in forensic psychology, providing a unique perspective on data interpretation and analysis.

Employment History

Information and Data Analysis Lead, BAE Systems

SEPTEMBER 2023 — PRESENT

Working with stakeholders, senior managers, programme customer and subject matter experts across a multi-nation programme creating key performance metrics to drive efficiencies and data driven decisions across the programme.

Presenting the dashboards created across the business, providing training and ensuring customer requests are heard and reflected in reports. This also includes influencing senior leaders in using live dashboards to provide a clear and accurate picture of performance across the programme.

Completion of project increment planning for the team ensuring work is captured and delivered across the entire team.

Data Science Practitioner, BAE Systems

JANUARY 2023 — SEPTEMBER 2023

As a Data Science Practitioner I was involved in a multi-organisational scrum team providing support where possible to a large, complex programme. I supported the creation of a demonstrator to automate metadata for an engineering team, increasing efficiencies across the programme. This included researching OCR engines and appropriate machine learning algorithms. I also created a best practice document for data science shared across the programme, receiving positive feedback from other teams and MoD consultants.

Asset Tracking and Database Analyst, BAE Systems

AUGUST 2020 — JANUARY 2023

In this role, I utilised Tableau to create dynamic dashboards for senior managers, incorporating complex formulas to ensure data accuracy and relevance. Additionally, I employed Tableau Prep to manage and cleanse data sources, establishing a single source of truth for reports across teams. As the site owner for Tableau Server, I oversaw data accessibility and management, ensuring efficient utilisation of resources.

Utilising technical reference documents, I established table connections using primary and foreign keys, facilitating streamlined data analysis processes. I spearheaded projects, including data cleansing initiatives, resulting in significant cost savings for the department. Furthermore, I linked disparate databases to produce comprehensive reports, enhancing data accessibility and accuracy, including the creation of a report which saved the business £329k.

Local Authority Governor, Lancashire County Council (Great Harwood Primary School)

NOVEMBER 2021 — PRESENT

I play an integral role in shaping the strategic direction and governance of the school. Collaborating closely with fellow governors, school leadership, and staff, I contributed to the development and implementation of strategic plans aimed at improving the educational experience and outcomes for all students.

In my capacity as Chair of the Resource and Finance Committee, I provided oversight and guidance on financial matters, ensuring responsible budgeting and resource allocation to support the school's educational objectives. This involved thorough review of financial reports, identification of potential financial risks, and advocating for resources essential to meeting the evolving needs of our students and staff.

Additionally, I have been actively involved in the dismissal and hiring of a Headteacher, demonstrating my commitment to maintaining high standards of leadership and ensuring the best interests of the school community.

I also supported the school through an OFSTED report in which the school achieved "Good".

Board Trustee, Age UK Blackburn with Darwen

MARCH 2024 — PRESENT

I play a vital role in shaping the organisation's strategic direction and governance. Collaborating with fellow trustees and senior management, I contributed to the development and implementation of strategic plans aimed at advancing Age UK's mission to support older adults. This involved analysing demographic trends, assessing community needs, and identifying opportunities for service expansion.

In addition to strategic planning, I provided oversight and guidance on financial matters, ensuring sound fiscal stewardship and compliance with regulatory requirements. As a trustee, I demonstrated leadership and collaboration, fostering a collaborative environment conducive to achieving Age UK's goals. Working closely with fellow trustees, staff, volunteers, and external partners, I promoted teamwork, innovation, and excellence in service delivery.

Education

MSc Data Science, Manchester Metropolitan University

SEPTEMBER 2021 — JUNE 2022

MSc Forensic Psychology, University of Central Lancashire

SEPTEMBER 2016 — JUNE 2017

BSc Forensic Psychology, University of Central Lancashire

SEPTEMBER 2013 — JUNE 2016

Other Prior Experience

Information Management Co-Ordinator - Future U/University of Central Lancashire *(November 2019 – August 2020)*

In this role, I optimized data entry processes, increasing team productivity by an average of 2 hours per day. I implemented efficient project eligibility checks via Excel, utilizing pivot tables and advanced formulae, enabling remote access for all team members. Additionally, I designed an evaluation framework integrated throughout project activities, providing valuable insights for national-level reports.

As the manager of sensitive data, I ensured compliance with regulatory requirements, with no reports or concerns submitted to regulatory bodies. I provided comprehensive database training to colleagues and established a research club to enhance the evidence base of project activities.

Researcher, Lancashire Constabulary *(June 2018 – November 2019)*

In this role, I developed a refreshable data dashboard using Power BI, reducing manual reporting efforts and increasing time for project work. I automated reporting processes using Excel macros/VBA, facilitating evidence-based decision-making for senior managers. Furthermore, I utilized SQL to extract and analyze data, leading to process improvements and reductions in complaints across the force.

Hate Crime Caseworker *(March 2017 – June 2018)*

As a Hate Crime Caseworker with Lancashire Victim Services, I supported over 360 victims, from the reporting of a crime to the conclusion of criminal proceedings and beyond. I conducted project reviews, and delivered tailored training to diverse groups including; Probation Officers, College pupils and Charity groups. I created awareness workshops and engaged with communities to increase participation in support projects across the county.

References

References available upon request