Mark McDougall

Data Analyst

CONTACT

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Edinburgh, UK 📍

LinkedIn 🔗

EDUCATION

MSC Business IT

Edinburgh Napier University

2012 – 2014
Edinburgh, UK

MCHEM Chemistry

University of Edinburgh

2005 – 2010
Edinburgh, UK

SKILLS

Data Analysis: Python (Pandas, Numpy, various others), SQL, Power BI

Data Visualisation: Python (Holoviz, Plotly, hvplot, Panel, Seaborn), Power BI

Geospatial Analysis and Mapping: Python (Geoviews, Geopandas, Shapely, Cartopy)

Databases: Postgres, SQLite, MS SQL
Containerization: Docker
Version Control: GIT
Agile Project Management: Jira
Customer Interaction: Salesforce

PERSONAL INTERESTS

Home Automation: Home Assistant

DIY Electronics: Raspberry Pi, soldering, breadboards, various sensors

3D Printing

CAD Modelling

WORK EXPERIENCE

Data Analyst

S and P Global Platts

September 2021 – March 2023 / Remote

- Supported two development teams in the migration of approximately 150 datasets to DataBricks through end-to-end analysis of existing dataflows
- Used Python, SQL and DataBricks to produce an automated, twice daily email report that alerted the Data Collections team to any issues with datasets missing data
- Produced a workflow in Python that allowed external customers to access and process data using an api
- Performed software releases of the BAU team's data fixes to the Production environment
- Greatly improved the onboarding of new BAU team members by identifying current processes and writing documentation

Senior Data Analyst

B and P O

April 2019 - March 2021 / Edinburgh, UK and Remote

- Delivered bespoke analytics reports for multinational, household name clients
- Produced interactive presales reports to assist the sales team in winning new business
- Delivered a new geospatial analytics method that resulted in multiple new clients and tens of thousands of pounds in revenue
- Sourced, cleaned and transformed freely available online datasets from multiple reputable sources to produce richer, original datasets with actionable business value, saving my employer tens of thousands annually in data costs

Senior Data Analyst

Adapptive

April 2017 - April 2019 / Edinburgh, UK

- In collaboration with four developers, led the successful delivery of multiple new features and the full redesign of the existing functionality of the Adapptive advertising software product
- Produced mock data datasets to enable the development, testing and demonstration of new software features
- Managed a team of four developers and a data analyst when my boss was frequently working remotely at another office
- Recruited, trained and mentored a new data analyst

Data Analyst

Red Fox Media

January 2015 - April 2017 / Edinburgh, UK

- Designed, trafficked, managed and optimized ad campaigns, including the production of customer data segments
- Cleaned, processed, updated and managed client data files and third-party data sources