

## Professional Profile

'An analytical and detail-orientated Data Scientist, with four years of driving quantifiable business growth and profit for reputable companies in the retail and e-Commerce sectors.'

A PhDEng and MEng qualified professional with extensive experience in Python, R, C++, MATLAB and SQL. Theoretical and applied knowledge of cloud infrastructure and ETL processes. Able to execute outstanding data extraction and analysis through using algorithmic and data mining techniques to inform and advise on business development and workflow improvement. Committed to using Machine Learning and AI to streamline systems. Adept at synthesising complex data into actionable reporting, proposals and specification writing. Well-versed in refining and creating data models, improving QMS and data validation.

## Core Skills

- PhDEng and MEng Data Science
- Python, R, C++, MATLAB, SQL
- Algorithmic & Data Mining Techniques
- Reporting, Proposals, Specification Writing
- Creating, Testing, Using Maths/ Data Models
- QMS & Data Validation
- Machine Learning and Artificial Intelligence
- Cloud Infrastructure & ETL Processes

## Career Summary

Jan 2019 - Present

**The Big Retailer  
Data Scientist**

### Outline

As Data Scientist for the Big Retailer, I gather research on consumer purchasing trends and combine it with company sales, stock management and revenue data to inform company strategy and decision making.

### Key Responsibilities

- Extracting, synthesising and interpreting large volumes of data from a variety of company sources
- Utilising algorithmic, data mining, artificial intelligence, machine learning and statistical tools
- Manipulating Python, R, C++ and different coding functions to improve mathematical analysis
- Reporting results of data in a transparent, informative and results-oriented way for stakeholders
- Consulting with key internal and external stakeholders on business issues identified by data
- Creating data-informed solutions to present to Senior Management for effective resolutions
- Build and test algorithms and mathematical models to improve data extraction and synthesis
- Managing tailored reporting for different business areas and wider company reporting
- Understanding and informing key stakeholders on client and consumer interaction with the company
- Reviewing data extraction, collection and sources, and assessing their usefulness
- Staying informed of the latest retail industry trends and using this to inform data output
- Researching new data-collection techniques to update models and data gathering techniques
- Scanning business departments like Human Resources to see whether data models can assist
- Explaining complex functions in understandable language to different areas of the business
- Helping to streamline the data science strategy by updating in line with new sources of information

### Key Achievement

- Identifying repeatedly ordered unsuccessful stock that was costing the company £350,000 each year
- Spotting a consumer trend that was turned into a promotional campaign with £1 million revenue
- Implementing a data model for the HR department which improved retention by 45%
- Refining existing data extraction process, saving 4 hours of work each week for Data Scientists

Jan 2018 – Dec 2018

**The e-Commerce Consultants  
Data Scientist**

### Outline

As a Data Scientist for the e-Commerce Consultants, I worked on the Quality Management System for all new products, collating customer interaction with interfaces and feeding back to key stakeholders.

### Key Responsibilities

- Manipulating data models using R, Python, C++ and MATLAB to extract and synthesise data
- Creating clear reports, specifications and proposals and communicating ideas clearly to stakeholders