

OVERVIEW

My interest in Big Data and data analytics grew during my Mathematics degree at the University of Bath, especially in my final year where I chose to focus on areas of applied mathematics – in particular Statistics, Computation and Linear Modelling. The development of algorithms fascinated me and my coding abilities, primarily in R and MATLAB, quickly became a particularly defining strength of mine.

In my Applied Statistics module, we focussed on Big Data analytics. The projects I undertook involved using R to clean the data, using exploratory analysis and generalised linear modelling to carry out our investigations and then write a report. The projects included the investigation of inmate compliance at Guantanamo bay, and also the exploration of fish population trends in the Bay of Biscay. This inspired me to carry out my own personal research and pursue a career in Big Data.

WORK

BIG DATA ENGINEER – KUBRICK GROUP, LONDON

At Kubrick Group I gained experience and qualified in: Professional and Communication Skills, IOC (Investment Operations Certificate) Level 1, Advanced Excel, Web Application development (UI/UX, JavaScript, CSS and HTML), Agile and SQL.

I then specialised in the Big Data Engineering course leading to accreditation as a Cloudera CCA Developer.

October 2016 – present

I worked on Big Data projects which exercised my skills in data ingestion and processing using Hadoop EcoSystem tools such as Sqoop, Flume and OpenSource Python Libraries including Pandas and Twython. We cleansed and munged data after exploratory data analysis through Python libraries including Plotly and Pandas then moving onto Spark to process, transform, analyse and stage the data into HDFS.

Projects included:

MetOffice Weather Data: involving Python API and Twitter processing into HDFS followed by further processing in the Hadoop Ecosystem.

Police Crime Data Analysis involving SSIS processing, SQL Analysis, and presentation through custom web front end.

WAITER/BARTENDER, GREENE KING PLC

June 2016 – October 2016

I quickly gained a reputation for excellent customer service, teamwork and reliability, and received managerial responsibilities within 3 months of joining.

VOLUNTEER IN A DEBRA CHARITY SHOP

2012 – 2013

For my Duke of Edinburgh Gold Award I volunteered in a Debra charity shop organising donations and preparing goods for sale.

EDUCATION

2:2 BSC. (HONOURS) MATHEMATICS, University of Bath 2013 – 2016

Notable Modules - Applied Statistics, Foundations of Computation I & II, Generalised Linear Modelling, Graphs and Networks: Theories and Applications.

KEY SKILLS

Python Libraries (Anaconda):

PyMongo, Pandas, Numpy, scikit learn, Plotly and Twython

Cloudera Hadoop version 5.4:

HDFS, Yarn, Sqoop, Flume, Avro, Parquet, Impala, Hive and Hue

NoSQL:

MongoDB. API with PyMongo

SQL:

SSIS, Advanced T-SQL and Stored Procedures

Apache Spark:

RDD, DataFrames, SparkSQL, PySpark with some exposure to and understanding of Scala

Source Control and IDE:

Git, SourceTree and Git Extensions, PyCharm

Other Skills:

Linux CentOS 6, SSH, Putty, Agile, JSON and BSON, Python Pickle and Shelve



MATTHEW WARNE

Big Data Engineer

ABOUT ME

After having been introduced to Big Data at university and delving into my own life to collect data to satisfy my own and my friend's curiosities, I knew I wanted a career in Big Data. The insight I received from analysing basic information such as my friend's online poker records using R was fascinating and the experience really inspired me.

Outside of work I am a keen horse rider and love to compete at dressage and show jumping. In 2013 I was British Riding Clubs National Show Jumping Champion, and in 2015 I was part of the University of Bath riding team that won silver medals at the National University Championships.

Bringing my two passions together, I analysed data from my performance in horse riding competitions, again using R, which gave me the opportunity to review my riding abilities in ways I had never considered before and learn something new about myself.

CONTACT US

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