ROBERT DAVIES

Big Data Engineer

ABOUT ME

I was first interested in a career in data after a module in tax policy exposed me to the impact that analysis could have on tax avoidance detection through identifying characteristics and trends of fraudsters. Financial and governmental organisations can use data as a tool to concentrate their efforts with effective information and processes.

Not only big corporations or governments benefit from analysing their information in more detail. Some of my key achievements in my family's business (an adventure park) include the introduction of processes allowing to collect more customer data from booking forms and online reservation systems as well as implementing good use of online feedback to improve the services provided.

I am a keen sportsman and have represented various teams including my home county and school as well as local clubs at football, rugby and tennis. At university I started playing Hockey and took a committee position in my last year. Titles won include my county league at junior level and county cup at senior level, as well as my BUCS hockey league. I enjoy seeing a project through from start to finish. One example is when I decided to build my own bike to see how the various components fit together to serve a greater purpose.

CONTACT US

Kubrick Group

T: 020 3866 4620

E: consultants@kubrickgroup.com

W: kubrickgroup.com

kubrick
GROWING DATA EXPERTS

OVERVIEW

I graduated from University College London in 2017 with a BSc in economics. I studied topics related to both micro and macro-economics, as well more specialised subjects such as tax policy, international trade and econometrics. Econometrics involved the practical use of statistical models and programmes to analyse datasets such as STATA. My final year project in Environmental Economics involved the use of Mathematica to create a growth and harvesting model which I then applied to reforestation and carbon sequestration in Uganda. The model determined the number of trees harvested without permanently affecting the existence of the rain forest.

My interest in understanding more about data analysis having done predominantly theory work, prompted my research into a career in big data and data analytics and ultimately led me to Kubrick Group.

WORK

DATA ENGINEER - KUBRICK GROUP - LONDON
September 2017 - Current
At Kubrick Group I gained knowledge and real world experience in professional skills, a wide yet in depth array of modern technical and analytic skills. We studied the agile software development lifecycles and gained detailed knowledge of platforms and infrastructure.
I specialised in Data Engineering which involved learning and developing advanced skills in Python, Spark, Hadoop, NoSQL and SQL as well as advanced Excel - these lead me to work towards accreditation as a Cloudera Hadoop CCA Developer.

As a junior data consultant I applied my skills on real client projects including:
• Seasonality correlation to sales for a large retail client.
• Feature analysis for a large financial services client providing HR with churn rate modelling against different employee profiles.

The projects were developed in agile teams using Git and Kanban boards following agile processes in the presence of an agile coach. Delivery of the projects used virtual environments and Docker. The professional skills I have acquired and matured were invaluable in these projects.

RESEARCHER – GAMBIT CORPORATE FINANCE
July 2016
Gambit are an independent corporate finance advisory firm which facilitate private company mergers and my objective as a researcher was to analyse merging companies operational structure and highlight potential overlaps and inefficiencies. As part of Gambits quarterly newsletter, I also wrote part of a feature on Brexit's impact on corporate cleaning services.

ROTATION – MAREX SPECTRON
July 2014
I rotated around the business for two weeks, spending time at different commodity desks, forex and in the internal financial department. This allowed me to gain an understanding of how different desks interaction with the market varies as well as how a large financial firm operates.

EDUCATION

BSC ECONOMICS, UNIVERSITY COLLEGE LONDON
2014 - 2017
Notable Modules:
Mergers and Valuations (75)
Statistical Methods for Economics (71)
Environmental Economics (69)
Accounting for Business (67)
Economics of Tax Policy (62)

I was an active member of the economics and finance society, attending talks, AGM's and social events.

KEY SKILLS

Python Libraries:
Pandas, Numpy, SK Learn, NLTK, PyMongo and Plotly
Cloudera Hadoop version 5.4:
HDFS, Yarn, Sqoop, Flume, Avro, Parquet, Impala, Hive and Hue

| **NoSQL:** | **SQL:** |
| MongoDB, Neo4J | SSIS, Lavastorm, Advanced SQL |

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:
Datalku, Linux CentOS 6, SSH, Putty, Agile