



## ALICE WRIGHT

Big Data Engineer

### ABOUT ME

I have always enjoyed the logic of mathematics and expressiveness of art. For my degree, I chose maths because I enjoyed how solving complex problems can provide real solutions. I believe that the world of data explores how to promote businesses in creative ways and I look forward to combining both my creative side and my analytical side.

During my research into a career in data I discovered the range of areas that have been enhanced using data analysis, from customer service to deciding new shop locations. An example that I found particularly interesting relating to my personal interest in beekeeping is a device developed to remotely record temperature, activity and noise levels inside beehives. This can predict the bees' health and optimise hive management as long as the information can then be sent to the right place or person.

Outside of work, I also enjoy cycling and recently completed the London to Brighton charity cycle ride.

### CONTACT US

Kubrick Group

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### OVERVIEW

I graduated from University of Nottingham in Mathematics and Statistics in 2016. During my degree I completed modules using MATLAB and R to analyse data. My 3rd year project was titled 'Ley Lines' – a statistical report determining whether leys are man-made constructions or pure coincidence. I analysed a specific site at Land's End before modelling the data using R. I created various algorithms calculating the number of straight lines that can be made from multiple points. The algorithms determined the number of leys at any one point, and compared this to how many would be expected given several random points of the same magnitude. I concluded that ley lines were not man made as the number found was not significantly higher than the number determined by the algorithms. This project alongside other smaller assignments involving data analysis led me to the decision to pursue a career in data.

After having worked for 5 months after university, I travelled through six South American countries in early 2017. When I returned I applied for a position at Kubrick, who I had come across prior to my travels.

### 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.

#### ACTIVITY LEADER – EDUCATION FIRST, TORQUAY AND OXFORD

July 2017 - August 2017 (Summer Job)

I gained extensive experience leading groups of 13-18 year olds on English language courses over the summer. I was responsible for delivering an exciting and enjoyable program including activities, excursions and hosting events. As well as being a very rewarding role, I represented Oxford at the Global Leadership Academy for the top 100 leaders across the world.

#### EVENT ASSISTANT – CITY OF LONDON, GUILDHALL

September 2016 - February 2017, June - August 2017

I worked on high profile events directing guests and assisted with cloakroom duties, adapting to the diversity of the clients and delivering excellent customer service at all times.

#### RIDER - DELIVEROO, WIMBLEDON

July 2016 - February 2017

My role as a bicycle courier gave me an experience working with customers and building a positive relationship with restaurant staff. I also had the opportunity to represent Deliveroo on a French radio station and featured as part of an Evening Standard charity campaign.

### EDUCATION

#### THE UNIVERSITY OF NOTTINGHAM, MATHEMATICS AND STATISTICS BSC, UPPER SECOND CLASS HONOURS (2:1)

2013 - 2016

Modules included: Optimisation, Topics in Scientific Computation, Mathematical Analysis, Statistical Models and Methods, Medical Statistics and Professional Skills for Mathematicians.

#### NOTTINGHAM ADVANTAGE AWARD

Awarded 2016

modules completed were Students as Change Leaders, Students as Change Agents and Students in Classrooms. The award gives recognition for extra-curricular activities enhancing employability, personal and professional development.

### 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:

MongoDB, Neo4J

#### SQL:

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