ELEANOR SHAW
Big Data Engineer

ABOUT ME

I have never shied away from big challenges, such as moving to China to learn Mandarin, where even simple tasks such as opening a bank account, taking out a phone contract and attempting to order food proved to be demanding. The culture shock was initially overwhelming but over time my experience there really enhanced my confidence and communication skills. While there, social media was often blocked and so, to stay in touch with family, I joined their fantasy football league. Being a football novice, I used only statistics to maintain my team, and then proceeded to win the league - a simple example of how data supersedes biased opinion.

I am the sort of person who loves to find and resolve patterns, Mandarin follows completely different patterns to Western languages, and yet is fascinatingly logical and complex. My aptitude for languages is part of what has led me to a career in data, as I have really enjoyed broadening my knowledge of coding languages.

CONTACT US

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OVERVIEW

In 2015 I graduated in Economics and Mathematics from the University of Leeds. The modules I enjoyed most were in Statistics, especially Econometrics and Time Series, as they taught me how to use data to explain the real world. In my Time Series module, I completed a project forecasting future UK tourism levels using modelling in R. My model predicted a total of 34.5m tourists visiting the UK in 2015. A year later, I compared my prediction to the actual figures and was very pleased to find the real figure was 36.1m. The satisfaction that I got from projects like this, is what sparked my interest in a career in data.

Having started to learn Mandarin at a Shanghai summer school in my second year, I moved to China to study Mandarin after university to deepen my knowledge of the language, and also to experience living abroad. After my language studies ended I interned at a private equity firm in Suzhou where I experienced how data analysis contributes towards making huge investment decisions.

After returning from Asia, I was weighing my options between going into a data career and pursuing a Masters in Statistics, I chose to enter the working world due to my desire to move further away from theory and closer to practical work.

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.

OFFICE MANAGER – BEATTY & COMPANY ACCOUNTANTS, LONDON May 2016 - August 2016
I assisted the company with 'going paperless' by digitising their filing system using CCH Central software. In addition, I conducted a successful marketing campaign for their tax insurance service involving direct marketing in the form of letters and emails. Other daily responsibilities included secretarial duties, and basic accountancy work.

ANALYST INTERN – ORIZA PRIVATE EQUITY, SUZHOU, CHINA January 2016
I analysed share prices on NASDAQ to assess a number of Chinese travel firms' viability as investment opportunities, as well as researched British medical R&D investment opportunities for a partner. I enjoyed adapting to a fast-paced Chinese speaking office environment and relished the opportunity to learn more about the investment industry.

FINANCE INTERN – BEATTY & COMPANY ACCOUNTANTS, LONDON June 2014 - August 2014
I completed basic accountancy duties, i.e. preparing accounts, and completing tax returns, in both Microsoft Excel and Sage.

EDUCATION

NATIONAL TAIWAN UNIVERSITY, MANDARIN September 2016 - May 2017
I studied Mandarin for nine months, funded by a Huayu Enrichment Scholarship and learnt Chinese calligraphy. Studying at a language centre with fellow students from around the world broadened my mind and taught me about how to understand and work with different cultures.
Final result: 91%

SHANDONG NORMAL UNIVERSITY, MANDARIN September 2015 - December 2015
I studied Mandarin for four months, funded by a British Council Scholarship. I also took part in extracurricular kung fu and calligraphy lessons at the university. Being thrown in at the deep end in a completely non-Westernised Chinese city really helped me to increase my confidence and independence.
Final result: 95%

UNIVERSITY OF LEEDS, BSC (HONS) ECONOMICS AND MATHEMATICS, 2.1 2012 – 2015
Most notable modules:
Financial Mathematics – 80%
Introduction to Econometrics – 76%
Time Series – 73%
Outside of my academic studies, I was Treasurer of the Mathematics Society, attended weekly Tap Dance classes through the Modern Dance Society, and also volunteered as a Maths Assistant in a disadvantaged local school.

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