## DENISS USTINOVS

### Big Data Engineer

## ABOUT ME

I have always loved logical challenges and brainteasers. Being naturally inquisitive, I have taught myself C++ and Java as well as various 2D/3D animation software and procedural generation techniques. Apart from being creative with computers, I enjoy outdoor activities such as rock climbing, hiking and camping.

My passion for Data emerged at university when I first heard about the positive impact that it can have on the world, such as analysis of mobile data to model people's movements during an epidemic or predicting the possible flu outbreaks. Being able to make the world a better and safer place while fully utilising my analytical and creative skills, is what I strive for.

## CONTACT US

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## OVERVIEW

I graduated from City University London in Mathematical Science in 2015. My dissertation was based around the possible future implications of Quantum Computation and the current existing techniques, such as Deutsch-Jozsa and Shor's algorithms.

By modelling Shor's algorithm in Java, I have proven the efficiency advantage of quantum computation over classical computation. I believe it is very likely that the biggest breakthrough in data analysis will come from advancements in quantum computing, it will completely change our understanding of the world by producing the most comprehensive insights.

At City, I have developed great analytical and problem solving skills, which helped me to notice possible improvements in financial processes when I worked at Education First. I collaborated with the payroll team to optimise the routine for contract raising using Excel VBA and Word.

## 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.

**ACCOUNTANT TRAINEE – EDUCATION FIRST, LONDON**
September 2015 – August 2016

I gained extensive experience of Financial Processes in an international company. Projects included things like improving the process of expense report submission by making it paperless through introducing the Expensify software.

## EDUCATION

**BSC(HONS) MATHEMATICAL SCIENCE, 2.1, City University London** 2011 – 2015

Notable modules: Mathematical Methods, Differential Equations for Finance, Statistics and Quantum Mechanics.

## 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:** **SQL:**
MongoDB. API with PyMongo    SSIS, Advanced T-SQL and Stored Procedures
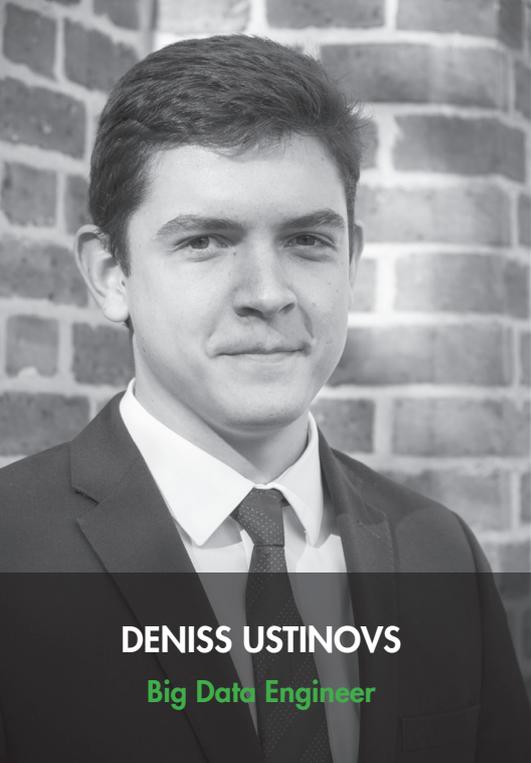**Apache Spark:**
RDD, DataFrames, SparkSQL, PySpark with some exposure to and understanding of Scala
**Source Control and IDE:**
Git, SourceTree and Git Extensions, PyCharm
**Other Skills:**
Linux CentOS 6, SSH, Putty, Agile, JSON and BSON, Python Pickle and Shelve