JORDAN CALCUTT

Data Engineer

ABOUT ME

Through studying for a Masters degree in Physics and a year working for the European Space Agency, I've been exposed to vast amounts of data. I've had the opportunity to see first-hand the positive effects that big data can have on society, for example from the data collected and analysed from ESA earth-observation satellites - giving us valuable insight into how to protect the environment and understand & mitigate climate change more effectively.

Outside of work I enjoy developing my technical skills – such as; undertaking projects with my Raspberry Pi, building websites in HTML, or attending industry meetups with a focus on the wider impact of data on society. I'm also a keen cyclist and have enjoyed training and racing with various clubs in the UK and during my time in the Netherlands. Spending long hours training with teammates has taught me important lessons in hard-work and dedication, which resulted in moving up a category in my first year of racing.

CONTACT US

Kubrick Group

T: 020 3866 4620

E: consultants@kubrickgroup.com

W: kubrickgroup.com

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A NEW FORCE IN TECHNOLOGY CONSULTING

OVERVIEW

After graduating with a Masters degree in Physics from the University of Sheffield in 2015, I utilised my technical knowledge working as a radiation engineer at the European Space Agency (ESA) in the Netherlands. Working at ESA, I successfully employed my Python programming skills, alongside LaTeX and MatLab, to implement critical radiation test campaigns. I gained valuable experience leading a small team to develop a test solution for electrical devices to be used on board a mission to Jupiter; negotiating with industry figures, developing a programmed test sequence, and laying out a logical method to analyse the data.

Through both my academic studies and employment at ESA I have enjoyed learning new technical skills and applying them to solve advanced problems. The field of Data Engineering presents technical challenges to a huge variety of real-world issues, which I feel is an incredibly exciting opportunity to be a part of.

WORK

DATA ENGINEER – KUBRICK GROUP, LONDON

March 2017 – present

In addition to intensive learning, whilst at Kubrick I have worked in agile teams on many client projects deepening the skills I have learned.

The Data projects which I have worked on have proven my skills in efficiently engineering very large datasets across a cluster. This has enabled me to deepen my analytical skills, both through data visualisation in Tableau and Plot.ly and through predictive modelling using the Python SkLearn module.

Examples of value I have added to businesses include insight derived from real time streamed social media analytics as well as predictive insights extracted from client side data warehouses.

RADIATION HARDNESS ASSURANCE ENGINEER – EUROPEAN SPACE AGENCY, THE NETHERLANDS

August 2015 – August 2016

Collaborated in a diverse team of scientists and engineers at the forefront of the space industry to produce cutting-edge research and solutions in space exploration.

GOAL-LINE TECHNOLOGY ENGINEER, HAWKEYE INNOVATIONS

October 2016 – February 2017

Successfully installed and delivered Goal-Line technology to Premier League & UEFA Champions League matches in the UK and Europe.

EDUCATION

MSC PHYSICS 2:1, University of Sheffield

2011 – 2015

Studied modules include: Programming in C, Semiconductor Physics & Technology, Advanced Quantum Mechanics. Dissertation title: 'Dynamic surface thermometry for advanced manufacturing' collaborating with the Sheffield Advanced Manufacturing Research Centre with Boeing (AMRC).

KEY SKILLS

I am experienced and qualified in the following technologies and disciplines:

Data Skills:	SQL, Python, Pandas and SciPy, SkLearn, Tableau, Plot.ly,Hadoop, Apache Spark & MongoDB
Security Skills:	Git, Security and Kerberos, SSH & Linux, GDPR
Data Warehousing:	Data Warehousing in T-SQL, Hive & Kimball methodology
SDLC:	Agile, problem solving
Documentation:	LaTeX and Markdown
Soft Skills:	Presentation skills
Specialisms trained in:	Retail, AML, Credit Risk
Certifications:	Cloudera Certified Associate (CCA) Hadoop & Spark Developer