TOM WALKINGTON
Data Analyst

ABOUT ME

I love solving technical challenges, understanding how the world works, and trying to adapt my knowledge to interrogating the word around me.

Whilst at Bristol I wrote a Python programme using Pyraf to automatic astronomy data cleaning processes.

At Signalbox I created an accurate network map of TfL rapid transport services, using Python and Perl to clean the data. I really enjoyed independently discovering new programming techniques and learning to implement them.

I find the untapped possibilities of data exhilarating. From Wallace and Webster creating data-informed life insurance in the 18th century to AI detecting money laundering, data has always played a critical role in developing our institutions and I hope to play a part in the coming transformations.

I play jazz & blues guitar, and the harmonica. In my spare time I learn Spanish, and I recently started to learn Mandarin.

CONTACT US

Kubrick Group

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OVERVIEW

I graduated from UCL with 1st Class (Hons) in Physics. In my final year, I redesigned a Monte-Carlo simulation of the COMET experiment – a particle physics simulation, written in C++, and analysed TTree outputs in ROOT. After travelling New Zealand on my own for a year, I spent a year in research at Bristol university investigating galaxy cluster evolution, using data from Hubble Telescope. Since leaving academia, I have worked in a start-up that aimed to bring location services to the London Underground by using various data sources which allowed me to gain I have experience using Python, Perl, and C++ in both academic and professional environments. The unique challenges demanded by this work have motivated me to work in the data industry.

WORK

DATA ANALYST – KUBRICK GROUP, LONDON
May 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 analytics projects which I have worked on have proven my skills in efficiently sourcing, processing and analysing large datasets both stored on-premises and cloud based. This has enabled me to deepen my analytical skills through data visualisation in: Python integrated Tableau, open source Plot.ly as well as 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 relational data warehouses and NoSQL systems.

DATA SCIENTIST – SIGNALBOX, LONDON
January 2017 – April 2017

Python (Scipy, Numpy, matplotlib, Json), Perl

Analysed contextual data from mobile phone to investigate ways of creating location services on the London Underground. Used several standard techniques of digital signal processing from SciPy package, and presented using matplotlib.

SENIOR VENUE HIRE COORDINATOR – AUCKLAND COUNCIL, AUCKLAND
September 2014 – June 2015

Managed bookings of Auckland's 130 Council Venues. Organised stakeholder calls, managed financial accounts, implemented and suggested customer service improvements.

TRAVELING
March 2014 – August 2014

I travelled independently over-land from Istanbul to Shanghai including hitchhiking distances and getting a Caspian Sea freight ship between Baku and Turkmenbashi.

PRINCE OF WALES PUB - SUPERVISOR
August 2013 – February 2014

EDUCATION

MSCI PHYSICS, UNIVERSITY COLLEGE LONDON, 1ST CLASS (HONS)
2009– 2013

Above 80% in 41% of modules including: Particle Physics (Masters), Cosmology (Maths Dept., Masters), Mathematics of General Relativity, and Quantum Mechanics. Above 70% in 72% of modules.

Achieved whilst working 20hrs a week in a bar in 2nd and 3rd year.

UNIVERSITY OF BRISTOL, GRADUATE SCHOOL ASTROPHYSICS
2015 – JUNE 2016

Galaxy cluster evolution: morphological changes in red disk galaxies in the past 10 billion years.

KEY SKILLS

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

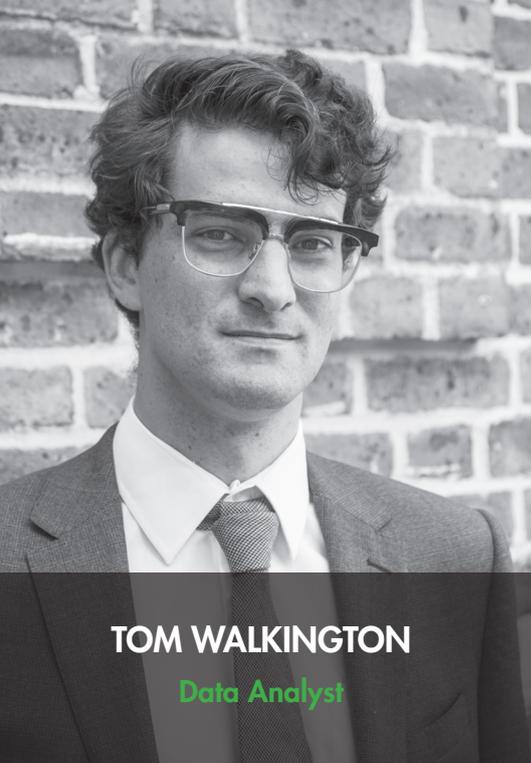|	
Data Skills:	SQL, Python, Pandas and SciPy, SkLearn, Tableau, Plot.ly, Hadoop & Apache Spark
Security Skills:	Git, Security and Kerberos, SSH & Linux, GDPR
Data Warehousing:	SQL, Hive (HQL) & Kimball methodology
SDLC:	Agile & problem solving
Documentation:	LaTeX and Markdown
Soft Skills:	Presentation skills
Specialisms trained in:	Retail, AML, Credit Risk
Certifications:	Tableau Desktop 10 Qualified Associate

Expertly trained by **Lavastorm** in their newest data integration and analysis product - **Dataverse.**