

# Daniel Yohannes Sherington

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Motivated data analyst with a strong, quantitative academic background and three years experience working as a part of a close-knit, international team focussed on internal risk management in a fast-paced financial context.

Adept at working with large, complex datasets and creatively using a range of technologies to manipulate and analyse them to deliver insights. Confident communicating ideas, understanding requirements and presenting solutions to stakeholders ranging in seniority and technical ability.

## EXPERIENCE

### Data Analyst - UBS, Group Internal Audit

March 2019 – Current

GIA Innovation, UBS London

Data analyst within the Innovation Team of the internal audit function at UBS; developing, gathering requirements for and maintaining analytical and automation products to aid and support auditors, providing them with accurate and meaningful insights through data.

- Technologies used: SQL(Oracle), Python(Pandas, NumPy, NLTK, SKLearn), Git, Tableau, Alteryx, JIRA.
- Key responsibilities include collecting and understanding complex stakeholder requirements; managing multiple deadlines and changing business requirements; creating robust ETL pipelines to repeatably source data and building structures to deliver it in appropriate and accessible formats.
- Key projects:

#### **Recommendation System**

*APAC Internal innovation award nominated*

Using historic product usage and HR data stored in an Oracle data warehouse, created a recommendation engine in python (both a content-based system and a clustering method) to suggest new products based on past usage and usage of similar users. The storefront is distributed using Tableau Server, allowing it to be easily accessed by the wider department.

#### **Automated Project Management Monitoring**

*Internal innovation award winner*

An automated series of tableau dashboards used to present monthly project updates for multiple teams.

Built as a replacement to a time intensive powerpoint deck, alteryx workflows are used to combine multiple reports across different teams and perform data quality checks. These feed a series of interactive tableau dashboards that are then used to present the updates to senior stakeholders.

#### **Data Analytics Representative**

Acting as the primary point of contact for a new audit group's data analytics requirements

### Data Engineering Consultant - Kubrick Group

November 2018 - May 2021

Kubrick Group HQ, London

A comprehensive training course encompassing a variety of essential data engineering, analytics, and visualisation tools.

- Technologies used: Python(SKLearn, NLTK, Pandas, NumPy, Plotly), SQL, Tableau, Git (ZenHub), Alteryx, Hadoop. As well as studies of practical and theoretical machine learning, agile software development lifecycles and introductions to platform security and infrastructure.

- Projects including: investigating trends in marine based incidents to create maps of accident-hotspots and predict shipping accidents using python for an insurance firm. Enriching of UK crime data with demographic statistics to identify trends across the country, with a data warehouse built in Microsoft SQL Server, visualised in tableau and documentation written in LaTeX.

## EDUCATION

### Durham University

2014 – 2018

MPhys Physics - 2:1

- **Master's Thesis:** "Calibrating the Cherenkov Array using UAV" a computational investigation of the environmental challenges faced when collecting atmospheric data with drones. Data analyses were performed with Python and other, specialised fluid dynamics softwares.
- **Extended Computing Project:** Modelling long term evolution of the Solar System using Python.
- **Other projects:** In conjunction with EDF Hartlepool, a three month investigation optimising nuclear reactor maintenance.

### Simon Langton Grammar School for Boys

2007 – 2014

- **A-Levels:** Physics (A), Maths (A\*), Further Maths (A), Chemistry (B), AS-Spanish (A)
- **GCSEs:** 7 A\* and 4 A (including English and Maths)
- **Other:** Drums - Grade 8, Music Theory - Grade 5

## HOBBIES & INTERESTS

- **Music**

Play in and organise rehearsals and gigs for a successful function band, initially at university, playing at larger college and university wide events, more recently at weddings in/ around London. This involved significant time management to balance with my work and studies and networking with a pool of musicians and event organisers.

During lockdown, I coordinated virtual recording sessions and gained a basic understanding of music production to allow us to continue practising and playing.

- **Running**

After competitively running middle and long distance in the past, now finding time for running in a more relaxed environment, allowing me to set and work towards personal goals.