

# Daniel Yohannes Sherington

dsherington@gmail.com  
+44(0)7511000233  
LinkedIn: DanielSherington  
GitHub: DanSherington

Motivated data analyst with a strong, quantitative academic background and over three years experience working as a part of a close-knit, international team dedicated to providing frictionless access to data-driven insights in a fast-paced, risk-focussed financial context.

Adept at working with large, complex datasets and creatively using a range of technologies to manipulate and analyse them to deliver actionable narratives. 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 and Business Intelligence 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*

Working as a part of a small, international team, leveraging 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 staff.

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

*Internal innovation award winner*

An automated series of reporting 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, calculate RAG statuses, and perform data quality checks. These feed a series of interactive Tableau dashboards that are then used to present the updates to senior stakeholders.

#### **Advanced Audit Analytics**

Working as the point of contact for analytics needs in ongoing audits. Requiring rapid understanding of new subject matter, existing data sources, and most appropriate analytical methods to ask and answer the most important questions allowing the delivery of more meaningful insights and empowering staff to make better informed decisions.

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, organise gigs, and run rehearsals for a successful function band. Initially at university, playing at larger college and university wide events, more recently at weddings in and 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.