ADAM WOODS

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D A T A · A N A L Y S T

I am a graduate of Northumbria University where I achieved a first in my Bachelors degree in Computer Science with Artificial Intelligence. Since then I have started first job as a data analyst working for UK Search Limited.

Throughout my career and education I have worked on a variety of data projects, from ETL pipelines for automated reporting, to machine learning helping to improve productivity and make the most of any data available.

EXPERIENCE

CURRENT EMPLOYMENT
UK SEARCH LIMITED 2021 – PRESENT

I currently work as a senior data analyst for UK Search Limited; a trace and debt collection company. My responsibilities mostly involves using SQL and Python to automate data reports for clients depending on their requirements and using Power BI to create ETL pipelines for bespoke dashboards. I have also introduced new methods of using data such as machine learning and Python processing.

PROJECTS
Light Curves – 2021

For my dissertation I used multiple machine learning methods with satellite data to discover distant planets. This involved a lot of research, data gathering extensive pre-processing and optimisation, I learned a lot from this project and thoroughly enjoyed it as it solidified my interest in machine learning.

Music Analysis – 2023

As a personal project I automated a report for myself to analyse the music I have listened to in that month, this made use of Spotify's API and Python to gather the data, then process it into a HTML file to design a dashboard with visualisations and metrics about the music.

TUG Test – 2021

For a group project we automated the classification of Timed Stand Up and Go Tests which measure the falling risk of an elderly person in order to save time of professionals and make the tests more accessible. I was in charge of the machine learning section of the project to classify accelerate data into the various stages of the test automatically.

EDUCATION

UNIVERSITY

DEGREE 2017 – 2021
80% Average on relevant courses

PERSONAL PROJECT
Python, Machine Learning

AI and Robotics
Python, Data Processing

ML and Computer Vision
MATLAB, Data Visualisation

Relational Databases
SQL, PHP

OTHER EDUCATION

13 A* – C GCSE

OCR Computer Science A-Level

OCR History A-Level

OCR Physics A-Level

AQA Extended Project (Relating to Computer Graphics)

PERSONAL INTERESTS

While I spend some of my free time on personal projects such as the ones mentioned above I also enjoy art and design. I have always had an interest in technology, space and music as I'm almost always trying to discover new artists, and read about new discoveries and developments in the field of data science and astrophysics. I have also recently started rock climbing and find the puzzle like nature of it very fun.