Archie Dobiss

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As an entry-level Data Scientist and a seasoned Data Wrangler, I'm passionate about AI/ ML and using algorithms to scale and automate business processes. After successfully completing a 16-week AI Bootcamp at the University of Huddersfield, in addition to being proficient in Python and SQL, I'm eager to apply my extensive background in data and algorithms to gain further experience in the field of machine learning. With a strong enthusiasm for utilising my technical and problem-solving abilities, I enjoy tackling complex problems and contributing to organisational growth. My goal is to build a career as a Data Scientist (ML).

• Algorithmically extracted vital metadata for 100k+ onboarded copyrights even though the Tech department said it was impossible thus reducing manual workload by 40%
• Wrote a suspense royalty metadata mapping script using SQL and matched over £500k worth of previously unallocated royalties
• Created secure XGBoost spam filter without any spam filter tutorials (92% precision, 99% recall)
• Kobalt Hackathon 2019 End User Impact award-winning team (Machine learning model for musical composition recognition using metadata).

Work Experience

Sales Support Engineer (Musiio by SoundCloud)
SoundCloud - London
July 2022 to March 2023

• Advised on and troubleshot Music AI API endpoint integration
• Identified main onboarding issues for each of the Music AI API products and provided solutions
• Prepared onboarding collaterals
• Documented Music AI product specs
• Wrote API wrappers in Python

Freelance Software Engineer
Musiio Ltd. - Remote
August 2021 to November 2021

• Assisted Musiio with AI Music Classification via API for prospective clients
• Debugged API wrappers and wrote supporting Python scripts
• Labelled training datasets for new classifiers

Royalties Distribution Manager
Kobalt Music Publishing - London
July 2013 to July 2020

• Proactively identified, suggested and managed to completion metadata mapping algorithm improvements

• Responsible for maintaining and improving existing as well as creating new source-to-target mappings for all data sources
• Wrote custom SQL reports to analyse imported royalty files to make sure the data was delivered and ingested accordingly and investigated if otherwise
• Resolved data conflicts and established sources of truth
• Added new data ingestion features based on support ticket analysis
• Created and provided training, Maintained and updated internal Wiki obo the team
• Successful task prioritisation and re-prioritisation in high workload volume and hard deadline environment

Education

Self-education in Pre-Calculus
Brilliant.org
March 2023 to Present

Self-education in Algebra II
Brilliant.org
December 2022 to February 2023

Bootcamp in Artificial Intelligence Bootcamp
University of Huddersfield
November 2021 to March 2022

Self-education in Artificial Neural Networks
Brilliant.org
August 2020 to July 2021

Skills

• Problem-solving. Applying short and long-term solutions (6 years)
• Classification, Feature extraction, Dimensionality reduction, K-fold validation, Testing
• RESTful web services (2 years)
• Digital collaboration (via Git)
• AWS Cloud Practitioner course (in-progress)
• Python, Jupyter Notebook (2 years)
• Scikit-learn, TensorFlow
• Data analysis (EDA), SQL, Relational databases (5 years)
• Parsing fixed-length, delimited, key-value pair as well as 'forward-reference' (CRD) data formats (4 years)

Links

github.com/adobiss

linkedin.com/in/adobiss