

Archie Dobiss

London

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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).

- Proactively and algorithmically extracted vital metadata for 100k+ onboarded musical compositions 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 (Musiiio by SoundCloud)

SoundCloud - London

July 2022 to March 2023

- Advised on and troubleshoot 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

Musiiio Ltd. - Remote

August 2021 to November 2021

- Assisted Musiiio 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 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 Algebra II, Pre-Calculus

Brilliant.org

January 2023 to July 2023

Bootcamp in Artificial Intelligence

University of Huddersfield

November 2021 to March 2022

Self-education in Artificial Neural Networks

Brilliant.org

August 2020 to July 2021

BA (Hons) in Advertising and Marketing Communications

University of Bedfordshire

September 2005 to June 2008

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 and 'forward-reference' (CRD) data formats (4 years)

Links

<https://adobiss.github.io>

<https://github.com/adobiss>

<https://linkedin.com/in/adobiss>