

Tom Merritt Smith

Senior Data Scientist. Researcher. Leader.

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EXPERIENCE

Delivery Hero — Senior Data Scientist

SEPTEMBER 2018 - AUGUST 2021

As part of the Rider and Forecasting squad, I developed new forecasting models to organise our fleet of riders across more than 50 countries. I own models from conception to deployment and beyond, using best practices to productionise code efficiently. I interact with various stakeholders across the business to develop our models, and use these relationships to feed into the strategy of our work going forwards. I mentor junior colleagues to help them maintain the focus of projects to deliver value on time.

Caspian Ltd — Senior Data Scientist

SEPTEMBER 2018 - AUGUST 2021

Led a team of 8 data scientists to deliver a machine learning driven transaction monitoring system in a global bank. Built a negative news analysis pipeline using aspect based sentiment analysis with BERT and Spacy. Developed a range of machine learning models in python, using sklearn, keras, and other packages, including fraud detection models, and identifying features of financial transactions such as affordability and the purpose of transactions. Significant experience in managing client relationships.

NHS BSA — Junior Data Scientist

SEPTEMBER 2017 - SEPTEMBER 2018

Led a multi-disciplinary team to deliver a solution to a GDPR compliance risk on a minimal budget and timeframe. Identified ~£5 million of savings in my first project. Created a multi-label text classification model with individual labels reaching 96% accuracy, and 77% of all documents being perfectly classified, saving hundreds of man hours. Organised and delivered training sessions for the team in advanced R programming and natural language processing techniques.

Heaton Manor School — Various Roles

Data Strategy Lead - January 2016 - September 2017

6th form Learner Experience Manager - October 2012 - Jan 2016

Teacher of Mathematics - September 2010 - September 2017

SKILLS

Fluent in R, python, SQL

Built models using tensorflow, spacy, sklearn, glmnet, MLR

Experience with Docker, Airflow, Kubeflow for deployment

Team leadership and project management experience

EDUCATION

M.Ed Practitioner Enquiry
PGCE Mathematics
Newcastle University

Focus on workplace learning and methods of assessment

M. A. Mathematics
Edinburgh University
(Upper second class)

Linear Algebra, Pure and Applied Analysis, Several Variable Calculus, Differential Forms

Self study

CS224n - Natural Language Processing with Deep Learning - Stanford

CS231n - Convolutional Neural Networks for Visual Recognition - Stanford

Mathematics for Machine learning - Deisenroth et. al 2019