JOSH GRIFFITHS

MACHINE LEARNING ENGINEER
DATA ANALYST

CONTACT ME AT

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SKILLS SUMMARY

- ●●●● Python, Numpy, Pandas, PyTorch, Scikit-learn, machine learning theory, data analysis.
- ●●●● SQL, git, JS, matplotlib, seaborn, data visualisation.
- ●●●● HTML, CSS, Node, Express.

EDUCATION

MSC Data Analytics (exp. Distinction)
Queen Mary University London
September 2021 - September 2022

BSc Mathematics (1st)
University of Southampton
September 2018 - June 2021

AWARDS & ACHIEVEMENTS

- UoS Dean's List Award for outstanding achievement in degree programme.
- Distinction grade in dissertation on exploration of Random Forest Classifiers and Statistical Learning Theory.
- 30.5 Hour Udemy Python Mastery Course.
- Chess.com rating in 95th percentile worldwide.

PERSONAL PROFILE

Passionate machine learning engineer and data analyst with 2+ years experience in predictive modelling and data processing. Excited to scale skills to a professional level and environment.

WORK EXPERIENCE

Student Administrator
Intertrust | August 2019

- Facilitated digitilisation of paper file system.
- Liaised with clients and ensured CDD was maintained.

Private Tutor
Mathematics | 2016 - Present

- Boosted students' grades notably beyond expectations.

PROJECTS

www.joshgriffiths.co.uk

Machine Learning

- Trained NLP classifier with 94% accuracy and deployed to Twitter using scikit-learn and Twitter API.
- Led a team to research and write a journal article on convolutional neural networks for vegetable image classification using PyTorch and git, matching benchmark results.
- Wrote neural network classifier from scratch in Python that reliably classified written digits.
- Wrote ridge-regularised logistic regression model from scratch in Python and successfully classified Spotify dataset, whilst using cross-validation to benchmark results.

Data Analysis / Processing

- Successfully implemented dimensionality reduction methods (PCA, SVD) to increase effectiveness of clustering algorithms on Old Faithful dataset.
- Achieved distinction grade in visualisation of South Korean BMI dataset, using seaborn and matplotlib.