

ZOE PAPAGIANNI

DATA SCIENTIST

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[LinkedIn](#)
[Portfolio](#)
[Github](#)

As a final year Data Science and Machine Learning student with a background in engineering, I have strong analytical problem-solving skills and experience working with multifunctional teams across a variety of industries. My passion is to utilize my skills in data cleaning, statistical analysis, visualization and predictive algorithms to extract insights and drive decision-making skills.

EDUCATION

Imperial College London, MSc In Machine Learning and Data Science, *London*.

October 2021 – October 2023

Modules include Statistical Analysis, Exploratory Data Analytics and Visualisation, Supervised Learning, Unsupervised Learning, Big Data: Statistical Scalability with PySpark, Deep Learning with Tensorflow, Unsupervised Learning, A/B testing.

National Technical University of Athens, MSc/BSc In Mechanical Engineering, *Athens*.

October 2013 – October 2019

PROJECTS

Fake News Detection, Python(pandas, scikit-learn, nltk, spaCy)

Explored and analysed three different datasets containing fake news titles and articles from various sources. Using natural language processing techniques, I performed sentiment analysis and built a machine learning classifier that was able to accurately distinguish between real and fake news.

Additional unstructured data projects: Brain Tumour Classification-CNN using Pytorch, Amazon food review classification.

Spotify Top Songs Analysis and Visualization, Python(pandas,seaborn,matplotlib)

Retrieved my listening history from Spotify's Web API and python to see how my 100 top songs have changed from 2016 to 2022 going through different stages of life and transitions.

Additional Exploratory Data Analysis projects: US Energy consumption, Development Indicators.

The above projects and more can be found in my [portfolio](#).

EXPERIENCE

Retail And Hospitality Assistant, *London*.

September 2022 – Present

- Engaged with costumers, assess their need, and answered questions and ensure a good experience.
- Experience in coaching and training new employees on sales techniques and customer service.
- Successfully managed a small team and ensured guests' dietary restrictions were adhered to while providing prompt and exceptional service.
- Demonstrated ability to multitask and prioritize in fast-paced environments.

Research Analyst, Box Media , *London*.

April 2020 – May 2022

- Leveraged private and publicly available data to discover patterns and produce financial projections and forecasting.
- Created appealing visualisations and used storytelling to present analysis to potential clients and senior leadership.
- Collaborated with senior leadership and product development team to understand company needs and devise solutions.
- Managed and designed the research process for the development of a Data Analytics course covering core concepts and ensured technical accuracy.

Junior Developer, Tether Technologies, *London*.

October 2019 – April 2020

- Utilized Python (OpenCV) to optimise the motion tracking system used for event detection in live video footage of surveillance cameras.
- Extracted images from footage and used machine vision techniques and transformations (such as foreground and background segmentation, differentiation etc.) for motion detection.
- Worked on the research of an appropriate object detection method (as Histograms of Oriented Gradients (HOG)) to expand our system capabilities.
- Assisted in the front-back web development and deployment of software into servers using Linux.

SKILLS

PROGRAMMING LANGUAGES: Python Python (scikit-learn, NumPy, pandas, matplotlib, pyspark, Tensorflow), R,Studio
SQL, Hadoop, Excel, Tableau Matlab/Octave, Arduino.
Fluent in English, French, Greek.