



Panagiotis Souranis

DATA SCIENTIST · MACHINE LEARNING ENGINEER

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Summary

- 2 years of experience in Data Science and Machine Learning executing data-driven solutions to increase efficiency, accuracy and utility of internal data processing.
- BSc with distinction in Mathematics and with 2 Master's in Statistics & Artificial Intelligence both with distinction.
- Enjoys team work, continuous learning, improvement and development.
- Committed to helping companies advance by developing strategic plans based on predictive modeling findings.

Work Experience

Accenture

DATA SCIENTIST / ML ENGINEER

Thessaloniki, Greece

Apr. 2021 - Present

- Communicate solutions to senior client stakeholders and leadership.
- Utilize principles to write clean, maintainable, and well-documented code.
- Data engineering pipeline development on PySpark.
- Solid understanding of AWS cloud infrastructure (SageMaker, EMR, S3).
- Developed machine learning solutions for telecommunication systems for predicting the failure of a node with 5% increase in precision.

Deus Ex Machina AI

DATA SCIENTIST

Thessaloniki, Greece

Feb. 2020 - Apr. 2021

- Developed state of the art deep learning based natural language processing (NLP) system that was able to extract entities from bio-related scientific articles with 78% precision.
- Extensive data pre-processing (feature engineering / missing values imputation / outlier detection) on large datasets, and development of machine learning solutions for disease prediction tasks.
- Delivered weekly reports and presented our findings to the clients.

Education

Aristotle University of Thessaloniki

M.Sc. IN ARTIFICIAL INTELLIGENCE

Thessaloniki, Greece

Oct. 2018 - Jul. 2020

- M.S Thesis title: Forecasting and smoothing methods for time series data. GPA: 9.59/10.0.
- First class honors (*Second highest GPA*).

Aristotle University of Thessaloniki

M.Sc. IN STATISTICS

Thessaloniki, Greece

Oct. 2018 - Feb. 2021

- M.S Thesis title: Monte Carlo methods. Applications in Deep Learning. GPA: 8.98 / 10.0.

Aristotle University of Thessaloniki

PTYCHION IN MATHEMATICS

Thessaloniki, Greece

Sep. 2013 - Jan. 2018

- 4 years equivalent degree. GPA: 8.13/10.0
- Received commendation, top 10% of the class.

Skills

Programming

Python R SQL C++ PySpark

ML/DL Tools

Pytorch Keras Tensorflow Scikit-learn Statsmodels SpaCy Transformers MLflow Mllib

Dev

AWS Docker Git Linux

Languages

English Greek

Certifications

Deep Learning Specialization (Coursera)

5 MONTH PROGRAM ON NEURAL NETWORKS AND MACHINE LEARNING.

Aug. 2019

- In this 5 month program, I mastered the theoretical aspects of artificial deep neural networks and learned how to build them in practice from scratch in Python and by utilizing existing deep learning frameworks such as Pytorch and Tensorflow. I implemented various Deep neural network architectures as ConvNets, LSTMs, GRUs, Transformers, etc. and applied them on real tasks such as Image recognition and Language modelling. I learned how to use best practices for reducing errors in ML systems and apply end-to-end, transfer, and multi-task learning.