



# 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.
- BSc with distinction in Mathematics and with 2 Master's in Statistics & Artificial Intelligence both with high distinction.
- Enjoys team work, continuous learning, improvement and development.
- Interested in researching and applying novel ideas on real business problems.

## Work Experience

### Accenture

Thessaloniki, Greece

DATA SCIENTIST / ML ENGINEER

Apr. 2021 - Present

- Utilize principles to write clean, maintainable, and well-documented code.
- Communicate solutions to senior client stakeholders and leadership.
- 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

Thessaloniki, Greece

DATA SCIENTIST

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.
- Designed an AutoML solution that reduced drastically the time needed for building a machine learning system.

## Education

### Aristotle University of Thessaloniki

Thessaloniki, Greece

M.SC. IN ARTIFICIAL INTELLIGENCE

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

Thessaloniki, Greece

M.SC. IN STATISTICS

Oct. 2018 - Feb. 2021

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

### Aristotle University of Thessaloniki

Thessaloniki, Greece

PTYCHION IN MATHEMATICS

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++ Mathematica MATLAB

### ML/DL Tools

Pytorch Keras Tensorflow Scikit-learn Statsmodels SpaCy Transformers MLflow PySpark

### 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.