Olympia Dartsi, PhD

Researcher & Data Scientist

Paris, France

(+33) 07 68 79 65 60

olympiadartsi@gmail.com

Experienced data scientist with a PhD in particle physics. I transitioned into an AdTech role after my PhD, where I lead the development of an end-to-end machine learning framework to predict the performance of online campaigns. My core strengths are analytic thinking, data visualization and coordinating product development across technical and business-oriented teams.

WORK EXPERIENCE

2021 − PRESENT

Tempr.

Lead Data Scientist

Predicting future revenues for advertising campaigns via neural network-based time series forecasting and multi-objective constrained optimization.

2020 − 2021

Dreamin

Data Scientist

Optimizing budget allocation, audience and time targeting for online campaigns, using multi-armed bandits and k-means clustering.

2016 − 2019

CERN

Doctoral research - PhD Thesis

Investigation of the electroweak production of $Z\gamma$-pairs, which hints at new physics beyond the Standard Model. I developed a decision tree algorithm to distinguish signal from background events, and used Bayesian unfolding to correct for detector effects.

EDUCATION

2016 − 2019

Ph.D Experimental Particle Physics
Université Grenoble Alpes, France.

2014 − 2016

M.Sc. Computational Physics
Aristotle University of Thessaloniki, Greece.

2009 − 2014

B.Sc Physics
Aristotle University of Thessaloniki, Greece.

TECHNICAL SKILLS

Programming:

Python SQL Git LateX

Data Analysis:

Pandas NumPy Scikit-Learn
TensorFlow Keras

Visualization:

Matplotlib Seaborn Superset

Algorithms & other skills:

Machine Learning Deep Learning
Time series Anomaly Detection
Data Visualisation Mathematics
Statistics Physics

Spoken languages:

- Greek (native)
- English (C2)
- French (B2)
- German (A2)

PUBLICATIONS & CHALLENGES

- Google's Foobar challenge.
- Papers as single author or as part of the ATLAS collaboration.
- PhD talks in Moscow and Sheffield.
- Poster on electron identification at CERN.