PHILIPPOS KTISTAKIS

COMPUTATIONAL PHYSICIST

PROFILE

Passionate about understanding how the world works, I approach problems by combining skills in physics, mathematics, statistics, programming, machine learning, and neural networks. This diverse background enables me to model, simulate, and solve complex challenges from multiple angles.

LANGUAGE

Native Greek
Proficient English.

CONTACT ME

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EDUCATION

MSC IN COMPUTATIONAL PHYSICS

University of Copenhagen, Denmark | 2021 - 2024

Thesis: *Development of a Misalignment Detection Tool for the McStas Neutron Scattering Simulation Package Using Optimization and Machine Learning Approaches.*

BSC IN PHYSICS

National & Kapodistrian University of Athens, Greece | 2017 - 2021

Specialization: *Telecomunications, Electronics, Computer Science and Automated Systems.*
Thesis: *Machine Learning on Quantum Computers.*

COMPUTER SKILLS

Python (Numpy, Scipy, Pandas, Matplotlib),
Machine Learning (TensorFlow, Keras, PyTorch, Scikit-learn),
Parallel Programming (OpenMPI, MPI)
Other: C, C++, Matlab

WORK EXPERIENCE

Co-Founder and Treasurer
MEDITERRANEAN INSTITUTE FOR EDUCATION S.C.C. | 2020 - 2024