

Dimitrios Spanos

Computer Engineer Student

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About Me

My will to solve problems and my love for mathematics have driven me to become a Computer Engineer. I've learned to work with consistency, while being methodical and efficient. I've come to realize that my personal growth and the betterment of the general standard of living are my driving force for continuous advancement.

Education

Aristotle University of Thessaloniki – Thessaloniki, Greece | <https://ee.auth.gr/en/>

INTERGRATED MASTER'S, ELECTRICAL & COMPUTER ENGINEERING

10/2017-Current

- Field of Study: Computer Science & Engineering
- Current Grade: 8.39 / 10

Experience

Artificial Intelligence & Information Analysis Lab, Dept of Informatics, AUTH | <https://aiia.csd.auth.gr/>

RESEARCH ASSISTANT

02/2022 - 04/2022

- Gravitational Wave Detection using Deep Learning Methodologies

CERTH-ITI | <https://vcl.iti.gr>

RESEARCH & DEVELOPMENT INTERN

07/2021 - 10/2021

- GRACE: Deep Learning for Biometrics Detection in collaboration with Europol

Computer Science

Computational Intelligence

- Fuzzy Logic, Neurofuzzy Systems | Matlab

Artificial Intelligence

- Machine Learning, Deep Learning | PyTorch, Tensorflow/Keras, Sklearn

Object Oriented Programming

- StarUML, C++, Java, Python

Parallel & Distributed Programming

- NVIDIA CUDA, openCilk, openMP, Pthreads, openMPI | C

Data Science

- Relational Databases | MySQL

Projects

Parallel Computing

- Non-Local-Means algorithm for image denoising
- Vertex-wise triangle Counting
- All-KNN search
- Boolean Matrix Multiplication (BMM)

Deep Learning

- Tattoo detection with detectron2 and YOLOX
- MRI Brain Tumor Classifier with CNN from Scratch
- Heart Disease Classifier with SVM from Scratch
- Life Expectancy Predictor with RBF Network with PyTorch
- Face under Mask Predictor using Autoencoder with PyTorch

Language Skills

Mother Tongue: Greek

Other Languages: English (C2), German (B1)

APRIL 7, 2022