

Kompitselidis Dimos

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EDUCATION

ARISTOTLE UNIVERSITY
UNDERGRADUATE MASTER
IN ELECTRICAL AND
COMPUTER ENGINEERING
Sep 2019 | Thessaloniki, Greece

SKILLS

PROGRAMMING

Over 5000 Lines:

- Python • JavaScript • CSS • HTML
- Machine Learning Algorithms
- Data Structures • KERAS
- Neural Networks
- Data Analysis and Data Science

Smaller Projects:

- Docker • MATLAB • Reinforcement Learning • GitHub • Linux • C • C++
- Agile Software Development

HACKATHON

- IEEEExtreme 16.0
- EESTech Challenge
- NASA Space Apps Challenge
- Open Innovation Competition Urban Mobility (**1st place**)
- Web Test Hackthon by Netcompany-Intrasoft

LANGUAGE

Greek | Mother Language
English | Level C2
Spanish | Level B1

AWARDS

2018 National
Kangaroo math contest [results](#)
2013 National
1st Physics Competition in Greece

INTERESTS

- PIANO • DIVING • TRAVELLING • FOOD

PROJECTS

NEURAL-NETWORKS-CLASSIFICATION | PANDAS, TENSORFLOW

- I created a neural network model to categorize the world's billionaires by wealth bracket and wealth origin.
- Implemented data preprocessing, established baseline classifiers, customized weights tailored to the imbalanced dataset, achieving up to **75%** accuracy in wealth classification and **82.29%** in distinguishing self-made versus inherited wealth.

DRUG-CLASSIFICATION | TENSORFLOW, KERAS, PANDAS

- I crafted various machine learning models to categorize what drug should a patient takes based on various patient metrics, with highlights an RBFN **from scratch** and a customized SVM with over **99%** accuracy.
- Implemented data preprocessing, PCA, Cross-validation, Comparative Analysis in the different models.

AI PLAYING GAMES | PYTORCH

- AI agents that play classic games such as Pac-Man, Kung Fu, and Lunar Landing, using reinforcement learning.
- Applied Deep Convolutional Q-Learning, Asynchronous Advantage Actor-Critic (A3C), and Deep Q-Learning, leading to AI agents capable of strategic gameplay.

COURSEWORK

UNDERGRADUATE

- Artificial Intelligence A-Z 2023: Build 5 AI (incl. ChatGPT) | Udemy
- Machine Learning A-Z™: AI, Python & R + ChatGPT Bonus [2023] | Udemy
- JavaScript30 | Wes Bos
- HTML, CSS, and JavaScript for Web Developers | Coursera

VOLUNTEERING

WEB PROJECT ADMINISTRATOR FOR ESN

- I maintained the work of the sites in ESN Thessaloniki and ESN Auth. I also oversaw the google admin platform for managing all the old and new members.

WORK

THALASSA SERVICES | LIFEGUARD

Jul 2020 – Sep 2020 | Greece, Corfu

TSAF TSOUF | LIFEGUARD

Jul 2022 – Jul 2022 | Greece, Tousla