

# 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 1<sup>st</sup> 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, Toulsla