George Balaouras

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Education

Aristotle University of Thessaloniki
Electrical and Computer Engineer, MEng   **Oct 2015 – Oct 2020**
Grade: 8.80

Projects

Thesis | *Java, Flask, MongoDB, Python* | Project link   **Apr 2020 – Oct 2020**
- Data Collection and Analysis of Energy Consumption of Mobile Phones using Machine Learning Techniques.
- Development of the Android application BatteryApp.
- Storing the produced documents in MongoDB.
- Exploring a variety of regression and clustering algorithms.

Messenger | *C, Raspberry Pi* | Project link   **Aug 2019 – Oct 2019**
- Configuration of a device for message composition and transmission, based on ad-hoc WiFi network.
- Familiarization with Cross-compiler.
- Implementation of TCP Client-Server.
- Use of pthreads and mutexes.

Image Classification | *Python, PyTorch* | Project link   **Mar 2020**
- Training a Neural Network for image classification using FashionMNIST.
- Familiarization with tensor fundamentals and PyTorch.
- Understanding data preprocessing, building, training and tuning a CNN.

More projects and assignments at GitHub.

Technical Skills

Programming Languages:	Python, C, C++, R, MATLAB, SQL
Frameworks:	PyTorch, Scikit-learn, Pandas, Flask, PyMongo
Operating Systems:	Windows, Linux (Ubuntu)
Other:	Data Structures, Algorithms, Version Control (git)

Soft Skills

Teamwork	Self-motivation
Time Management	Problem Solving
Responsibility	Decisiveness

Languages

Greek	Proficiency, Native
English	Proficiency, C2
German	Intermediate, B1

Activities

- Keeping up with the latest technological news and achievements.
- Music: Harmony Diploma ~ Instruments: Accordion, Percussion
- Folk dances.

Volunteering

Managing the digital student community thmmy.gr (Administrator)