

VASILEIOS KARAPATSIAS

Electrical & Computer Engineer

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📍 Thessaloniki, Greece

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🔗 bkara14

ABOUT

I am committed to learning and self-development so that I can consistently achieve better results. Through my volunteering occupation I've developed skills like project management, team work, leadership, facilitation, negotiation, conflict solving and public speaking. My solid educational back-round allowed me to provide high quality work and achieve our goals , thus making me a dependable co-worker.

Fields of interest

Machine Learning, IoT, Micro-controllers, Automatic Control, Smart grids & renewable energy.

EXPERIENCE

Software Engineer

Adaptive Sensory technology

📅 Sep 2022 – now

📍 Thessaloniki, Greece

Contributed significantly to the improvement of the existing codebase by maintaining and optimizing the code and adding new features on a high end solution that allows the ophthalmologists to have a better understanding of their patients' eyesight. I wrote various scripts and unit tests using Python, C++, JavaScript, and Shell Script.

Research Assistant

Center for Research and Technology HELLAS

📅 Jan 2020 – Oct 2021

📍 Thessaloniki, Greece

Developed software solutions inside the premises of green energy oriented H2020 projects.

- **RENAISSANCE H2020** : I designed and developed a smart end-device to enable Local Energy Communities' members participation in energy exchanging marketplaces. Device is able to control the grid's assets, optimize the energy consumption, provide forecasts about the consumed and generated energy and support OpenADR communication protocol.
- **INTERPRETER H2020** : I was involved in the design and development of two high-quality tools that were deployed as services. The first generates a digital model of a distribution network, allowing the execution of Unbalanced Power Flow and State Estimation. The second tool is an innovative solution that is able to predict grid's maintenance needs and suggests optimal maintenance actions to the user, that minimize the required cost and unavailability periods.
- Programming language : Python

EDUCATION

MSc Electrical & Computer Engineering

Aristotle University of Thessaloniki

📅 Sep 2013 - Nov 2019

Thesis : Similarity based Multiple Kernel estimation of rice agronomic traits, using multispectral imagery.

Domain : Software development and electronics

Final grade : 8.36

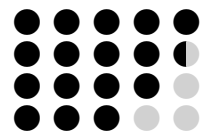
SKILLS

Python, Matlab

Deep Learning, Linux, Github

C/C++, SQL

Java



- **Languages**: Greek (Mother tongue), English (C2), German (B2), Chinese (HSK 2)
- **Software**: PyCharm, Postman, Office™

VOLUNTEERING

Active member of BEST (Board of European Students of Technology)

📅 Feb 2015 – May 2020

- President of Local BEST Group of Thessaloniki (Aug 2017 - Aug 2018)
- Member of the Corporate Relations Team (Sep 2015 - May 2020) and Information Technologies Team (Sep 2015 - Aug 2019)
- Main Organizer of "Career Days- Job Fair 2016 - AUTH" (over 60 companies and more than 500 attendees)

ACHIEVEMENTS

- Co-founder of Project MARTIS. It's a wearable device that provides its users with informative messages regarding the dangers they are facing during the summer months due to UV radiation, dehydration and physical, developed during SFH-MMY9 Hackaton (finalist).

REFERENCES

Available upon request.