

Taxiarchis Kouskouras

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Summary

Driven Software developer, with 6+ years of python experience with a wide range of programming concepts and knowledge.

Skills

Programing languages/skills: Python, Php, Javascript, Mysql, Cloud computing

Frameworks/Engines: Spark, Hadoop, Laravel, Vue

Project Management frameworks: SCRUM

Experience

Backend Programmer

2021 (1 Month)

Hired by [NICO](#) as an independent programming partner.

Key Qualifications & Responsibilities

- Developed new functionalities and fixed preexisting EFKA's tools using Javascript, Php, jQuery and Mysql.
- Tested thoroughly new functionalities and bug fixes.
- Fixed/Tested preexisting excel scripts using the VBA Microsoft's scripting language

Key Achievement:

Helped with the modernization of the older EFKA's system to a new easier to use unified tool which helped eliminate user error and improved the productivity of EFKA's employees.

Projects

- **Django-toxic-waste-disposal:** A website/app which was created to simulate a removal company of toxic-harmful medical equipment. It was created as part of a university course on databases. The website was made with Python's framework Django and the use of OpenStreetMap to simulate trucks movement and locating.

- **Mettransfer:** A WeTransfer clone (a famous file sharing site) created as part of a Web Development university course. PHP, MySQL, Composer and Phinx were used to create the website.
- **AdBlocked:** A Game developed as part of the university's class "Game Development" developed using unreal engine 4.
- **Docker-dev-env:** A Docker-agnostic tool developed in python to create a development environment for Laravel applications that require use of Mysql, Redis that can be used by Users that have little to no docker knowledge, it also provides a CLI python tool that can help with some of the most used development commands in a docker-agnostic way.
- **C-600-Compiler:** As a university course project on compilers, we created a compiler on a made-up programming language called "C-600". The programming language "C-600" was like C but some C++ functionalities were added. C programming language was used to develop the compiler.
- As part of my thesis "Research on the performance of large-scale data management systems in cloud computing", I compared the execution performance of SQL queries on the cloud by the spark execution engine with and without the use of Hive.
- As part of my postgraduate thesis "Experimental evaluation of the performance of distributed machine learning systems", I trained several machine learning models using different algorithms on the machine learning framework TensorFlow. We tested the efficiency of training different machine learning models distributed using different training strategies provided by the TensorFlow framework.

Education

2021-2022: MSc Degree on "Informatics with applications on Security and Big Data Management" at University of Thessaly

2016-2021: Degree on Computer Science and Telecommunications at University of Thessaly

Relevant Extracurricular Activities

- I was a member of the university's programming team **Pylam** where we developed python applications and hosted python workshops. Being part of the Pylam's team helped become a better team player and a better software developer.
- I was part of a volunteer team that hosted two Java workshops for the university students.
- I was hired as a Laboratory Assistant professor for the postgraduate class "Large Scale Data Management" at Athens University of Economics and Business

Languages

- Greek (native speaker)
- English (intermediate speaker)

Publications

- [Intrusion Detection in Critical Infrastructures: A Literature Review](#) - Panagiotis, F., Taxiarchis K., Georgios, K., Maglaras, L., Ferrag, M.A
- [A Novel Genetic Algorithm for I/O Pad Planning Retaining Former Cell Positions](#) - Kranas G., Kouskouras T., Dimitriadis V., Dossis M., Oikonomou P., Dadaliaris A