EFSTATHIOS LYMPERIS

e-mail
mobile
LinkedIn
GitHub
Website

Python
Geographic Information Systems/Science
OGC Standards & Services
Geodata Analysis

Greek
English
French

Summary

A young and self driven Spatial Scientist. I deliver value by improving and automating geospatial workflows and developing tailor-made solutions. I seek to make an impact by facilitating modern, efficient geodata utilisation and dissemination

Experience

Geomeletitiki Consulting Engineers

GIS Specialist | Jan.2021 - Present

Addressing the most challenging aspects of geospatial operations with a demonstrated ability to innovate solutions. Involved in national projects for energy, urban management and industrial development. Key contributions include:

- Led the design of specifications and implementation details in a key project for the Ministry of Energy & the Environment, ensuring the quality of the national geodatabase of Wind and Solar prohibition zones.
- Developed a multithreaded batch-geocoder for the efcient mapping of Athens Metro Area, cutting the completion time of a 12 month Gas distribution GIS project down to 3.
- Constructed a custom web application + data conversion pipeline (via the awesome Potree lib) to showcase large point cloud data to clients, reducing the company's 3rd party platform dependency and expenditure.
- Optimised the hydrological analysis workflow of the Hydrology Engineering team by developing an end-to-end solution which enabled them to increase their output capacity from *tens* of sq. Km/day to more than *thousands*

Core toolset including:
- *Programming Languages*: Python, R, Javascript ++ any language I might need to deal with
- *IT infrastructure*: Linux Systems, local & cloud VMs, Git
- *SDI tools*: GeoServer, Geonode
- *Data*: PostgreSQL & PostGIS, SQLServer, REST services, QGIS,
- *Frameworks/Tools*: Django, GDAL, Google Earth Engine, LeafletJS

Aristotle University of Thessaloniki

Undergraduate Researcher | Nov 2018 - Jul 2020

Research on the applications of geoinformatics & remote sensing on Engineering Geology, at the laboratory of engineering geology. Research group focused on semi-automatic processes and methods for classication, hazard assessment and analysis of 3D LIDaR & SfM Photogrammetric models.

- Developed code and methodologies for rockslope hazard assessment and 3D geotechnical analysis.
- Published 3 academic works, and presented findings at the international congress of the Geological Society of Greece, becoming the youngest speaker of the institution, at age 21.

Education

National Technical University of Athens

Geoinformatics, Master of Science | Oct 2021 - Present

Currently attending (hybrid) a multidisciplinary program of postgraduate studies on Geoinformatics, coordinated by the Schools of Surveying Engineering, Electrical & Computer Engineering and Metallurgical/Mining Engineering. Expected to graduate by the end of 2022.

- Personal focus on modern distributed GIS systems, big-geodata pipelines and GIS-EO integration.

Aristotle University of Thessaloniki

Geology, Bachelor of Science | Sept 2015 - Nov 2020

4-year bachelor degree in Geology, with a specialisation path in Engineering Geology. Solid Earth & Spatial Science background and ample field experience. Outstand ing academic performance.

- **Grade**: *8.63/10.0* (A)
- **Thesis**: Investigation & Engineering Geological Assessment of rockfall site in Plomari, Lesvos, aided by U.A.V. survey and computational methods (Grade: *10.0*)