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# CHRISTOS ATHANASIOS ZERVOUDAKIS

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Geospatial and Environmental Data Analyst

[My LinkedIn Profile](#)



[My GitHub Profile](#)



## ABOUT ME

A dedicated Geospatial and Environmental Data Analyst with a strong background in Geology and Geoinformation in Environmental Management. Specializes in GIS, remote sensing, and spatial data analysis to address environmental challenges. Proficient in Python programming and committed to continuous learning, bringing innovative and sustainable solutions through advanced geospatial analyses.

## EDUCATION

### Aristotle University of Thessaloniki

Bachelor's Degree in Geology  
2016 – 2022

- Thesis Title : “The critical metals Gallium, Indium and Germanium”

### CIHEAM MAI Chania

MSc Geoinformation in Environmental Management  
2022 – 2024

- Thesis Title : “Geoinformation-driven geomorphological characterization and analysis of coastal dunes near Nea Peramos, Kavala, Greece”

## SKILLS

### Power Skills

- Problem-Solving and Analytical Thinking
- Research and Data Interpretation
- Attention to Detail
- Adaptability and Flexibility
- Innovation and Creativity
- Team Collaboration

### Hard Skills

- Geographic Information Systems (GIS) :**  
ArcGIS Pro, ArcMap, QGIS
- Remote Sensing :**  
ERDAS Imagine, eCognition Developer, SNAP, Sentinel Hub EO Browser, Google Earth Engine, ENVI
- Programming and Data Science :**  
Python (Pandas, NumPy, Matplotlib, GeoPandas, Scikit-learn, Plotly), Web Scraping (BeautifulSoup, Selenium), Machine Learning
- Spatial Databases and SQL :**  
PostgreSQL with PostGIS, SQLite, Spatial SQL
- Image Processing & Photogrammetry:**  
Pix4Dmapper
- Web Development :**  
HTML5, CSS3, Bootstrap, Flask, REST APIs
- API & Cloud-Based Data Tools :**  
Postman, Foursquare API, GEE API
- Graphic Design & Image Editing :**  
CorelDRAW, Adobe Photoshop
- Office Productivity :**  
Microsoft Word, Excel, PowerPoint

## PROFESSIONAL EXPERIENCE

### GIS Analyst Intern

Cartografia-GIS Applications-Surveyor Engineer (ELIAS KONSTANTINIDIS), Thessaloniki, Greece | 2021

- Digitized geographic data**, increasing database accuracy and efficiency by incorporating detailed information into GIS systems.
- Processed drone imagery**, contributing to the analysis and interpretation of spatial data that informed decision-making and project outcomes.
- Designed and produced maps** requested by clients, enhancing visual communication and aiding in environmental planning.
- Streamlined office operations** by performing various administrative and technical tasks, ensuring smooth workflow and on-time project delivery.

## CERTIFICATIONS

- TAT 2024 training: “Earth Observation and Machine Learning for Disaster Mapping” (TAT-11)**

National Aeronautics and Space Administration (NASA), European Space Agency (ESA), Charles University in Prague, Czechia | 2024

- Primary Sector Geoinformatics Applications Training**

Technopolis - EKP | 2024

- UNESCO Global Geopark of Vikos AOOS Summer School**

School of Geology of Aristotle University of Thessaloniki, Epirus S.A. | 2023

- i2CONNECT Interactive Innovation Summer School 2024**

Kildalton College, Piltown, Co. Kilkenny, Ireland | 2024

- ERASMUS+ "Green Biotech Entrepreneurship" Summer School**

University of Agronomic Sciences and Veterinary Medicine Bucharest | 2023

## LANGUAGES

**English** | Proficient | Level C2 | Michigan Proficiency

**Greek** | Native