# KYROS Georgios

## Personal Information


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| DATE - PLACE OF BIRTH: | 02 May 1995 in Kozani, Greece |
| PROFESSION: | IT Data Analyst |
| PROFESSIONAL ADDRESS: | Krokos, Kozani 50010 |
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## Academic Qualifications

2014 - 2018: B.Sc in Computer Science. Aristotle University of Thessaloniki (Auth).

2020 - 2021: Web Developer, National & Kapodistrian University of Athens.

2020 - 2023: M.Sc “Web Intelligence” of International Hellenic University (IHU).

## Professional Experience

- 2018 - 2019: System Administrator, Hellenic Army / Military School 4th Army Corp Xanthi, Greece.
  - Resolved network related problems and provided in-situ technical support for all military staff.
  - Upgraded and configured Cisco network equipment (routers & switches).
  - Troubleshooted and repaired specially configured computers (hardware & software).
  - Improved network and system processes that resulted in significant time saving and efficiency.
  - Authored technical documentation to guide and train the new recruits.

- 2019 - 2020: Web Developer, Stravon Weather Services, Ptolemaida, Greece
  - Crawling, scraping and analysis of meteorological data.
  - Plotting diagrams, charts and geospatial maps of meteorological data.
  - Developing a new e-shop with Wordpress and front-end tools : meteomarket.gr
  - Social Media Management.
  - Office Administrator and Sales Prespective at TIF HELEXPO – Agrotica 2018 – 2020.

- 2021 - today: Jr IT & Data analyst, National Observatory of Athens/meteo.gr
  - Developing procedures for the collection, processing, and visualization of geospatial and meteorological data.
  - Development and implementation of machine learning techniques for analyzing meteorological and satellite data.
  - Development of web-app map applications for visualizing meteorological data.

- Analysis and visualization of climate data.

- 2021 - today: Climate Data analyst & Visualization, Climatebook.gr
  - Developing procedures for the collection, processing, and visualization of geospatial and climate data.
  - Creation of graphs and maps using climate data (ERA5, CERRA, etc.) to illustrate climate change trends.
  - Development of web-app map applications for visualizing climate data.
  - Developed the State of the Climate Report for Greece.

- 2022 - 2024: Data analyst, WWF Greece in Collaboration with climatebook.gr
  - Analysis and visualization of climate data.
  - Developed the State of the Climate Report for Greece 2022 & 2023.

## Areas of expertise

Data analysis, data scraping, data crawling, scripts, machine learning, data visualization, statistics, geospatial visualization, map production, web development.

## Programming Languages

Python, C, C++, JAVA, R, php, html, css, javascript, SQL, ncl, bash script.

## Software

Photoshop, illustrator, premiere, QGIS, Arcgis, Pycharm, MS office, linux, overleaf

## Accomplishments

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| Languages: | English, Greek (native) |
| Thesis B.Sc: | Detection and statistical analysis of skills from raw text job ads in the IT field. |
| Thesis M.Sc: | A Machine Learning Approach for Rainfall Nowcasting Using Numerical Model and Observational Data (https://www.mdpi.com/2673-4931/26/1/11) |
| ReGeneration finalist: | Academy on Cloud Tools & Technology, powered by Microsoft. |
| M.Sc Projects: | Detect Pneumonia from X-ray images MachineLearning with Python<br>EventWorld: EventWorld is a web application based on PHP and in particular its Framework Laravel. |
| Licenses/Certifications | Coursera: |

- Machine Learning for All
- Responsive Website Basics Code with HTML, CSS, and JavaScript
- SQL for Data Science
- Machine Learning in Weather and Climate Change - 2023 - ECMWF Powered by IFAB - International Foundation Big Data and Artificial Intelligence for Human Development

## International Conferences and Workshops

1. **Kyros, G.**; Manolas, I.; Diamantaras, K.; Dafis, S.; Lagouvardos, K. A Machine Learning Approach for Rainfall Nowcasting Using Numerical Model and Observational Data. Environ. Sci. Proc. 2023, 26, 11. https://doi.org/10.3390/environsciproc2023026011
2. Dravilas, I.; Dafis, S.; **Kyros**, **G.**; Lagouvardos, K.; Koubarakis, M. Towards a Machine Learning Snowfall Retrieval Algorithm for GPM-IMERG. Environ. Sci. Proc. 2023, 26, 103. https://doi.org/10.3390/environsciproc2023026103
3. Masloumidis, I.; Dafis, S.; **Kyros, G.**; Lagouvardos, K. Snow Depth Trends of European Ski Resorts. Environ. Sci. Proc. 2023, 26, 16. https://doi.org/10.3390/environsciproc2023026016
4. Examination of the potential of estimation of near surface air temperature using satellite and topography data (2023). A. Karagiannidis, **G. Kyros**, K. Lagouvardos and V. Kotroni. EUMETSAT Meteorological Conference, September 2023, Malmö, Sweden.
5. Pantavou, K., Kotroni, V., **Kyros, G.**, & Lagouvardos, K. (2024). Thermal bioclimate in Greece based on the Universal Thermal Climate Index (UTCI) and insights into 2021 and 2023 heatwaves. Theoretical and Applied Climatology, 155(7), 6661–6675. https://doi.org/10.1007/s00704-024-04989-5
6. Lagouvardos, K., Dafis, S., Kotroni, V., **Kyros, G.**, & Giannaros, C. (2024). Exploring Recent (1991–2020) Trends of Essential Climate Variables in Greece. *Atmosphere*, *15*(9), 1104. https://doi.org/10.3390/atmos15091104