

NIKOLAOS IOANNIS BOUNTOS

Athens, Greece

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GitHub: <https://github.com/ngbountos>

EDUCATION

Technical University of Munich

February 2020

MSc: Data Engineering and Analytics

Thesis: Sub-pixel classification of anthropogenic features using deep learning on the Copernicus Sentinel-2 data

Aristotle University of Thessaloniki

September 2016

BSc: Computer Science

Thesis: Study of Causal Inference Algorithms

Publications:

- Bountos, Nikolaos Ioannis, et al. "Self-supervised contrastive learning for volcanic unrest detection." *IEEE Geoscience and Remote Sensing Letters* 19 (2021): 1-5.
- Bountos, Nikolaos Ioannis, Dimitrios Michail, and Ioannis Papoutsis. "Learning from Synthetic InSAR with Vision Transformers: The case of volcanic unrest detection." *IEEE Transactions on Geoscience and Remote Sensing* (2022).
- Bountos, Nikolaos Ioannis, et al. "Hephaestus: A large scale multitask dataset towards InSAR understanding." *Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition*. 2022.
- Papoutsis, Ioannis, et al. "Benchmarking and scaling of deep learning models for land cover image classification." *ISPRS Journal of Photogrammetry and Remote Sensing* 195 (2023): 250-268.

AWARDS/SCHOLARSHIPS

- **International Research Center on Artificial Intelligence under the auspices of UNESCO Global Top 100 list 2022-23** for the project: **Pluto - A global volcanic unrest early warning system**, rated as **Excellent**.
- **Beyond Fellow Scholarship** of the AI4EO Future Lab of the Technical University of Munich

WORK EXPERIENCE

Position	Institute/Company	Time Period
Research Intern	Mila - Quebec AI Institute	April 2023 - Present
Beyond Fellow, Visiting Researcher	AI4EO Future Lab, TU Munich	September 2022 - December 2022
AI Researcher/ PhD Candidate	National Observatory of Athens	January 2021 - Present
Artificial Intelligence Engineer	Motius	December 2019 - April 2020
Master Thesis on Computer Vision	Esri Deutschland	April 2019 - September 2019
Working Student Data Analytics	KPIT	July 2018 - February 2019
Working Student Data Scientist	Trillr.com	October 2017 - January 2018
Web Developer	Newte	December 2016 - April 2017