



GABRIELE TIJUNAITYTĖ

MSc Geo-Information Sciences Student

ABOUT ME

I am passionate about **data science, computer vision**, and their applications in addressing geospatial and environmental challenges. I enjoy solving complex problems through coding and data-driven approaches, which drives my pursuit of a **career as a geospatial data scientist**. I have a strong interest in applying my technical skills to the field of marine and physical oceanography.

Nationality: Lithuanian

Languages:

Lithuanian: native

English: bilingual

CONTACT ME



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Wageningen



[Gabriele Tijunaityte](#)



[gabrieletijunaityte.github.io](https://github.com/gabrieletijunaityte)

EDUCATION

MSc Geo-Information Sciences

2023–2025

Wageningen University (9.0/10.0 GPA)

Focus on **Machine Learning, Deep Learning** & Data Sciences

Thesis: Re-Identifying Marine Debris Patches in Sentinel-2 and PlanetScope Double Acquisitions. I am developing a deep learning model utilizing **contrastive and self-supervised learning** techniques.

ERASMUS Exchange

2021–2022

University of Porto (9.8/10.0 GPA)

Focus on **Remote Sensing & Environmental** Sciences

BSc Geology

2019–2023

Vilnius University (Cum Laude, 9.9/10.0 GPA)

EXPERIENCE

Teaching Assistant

2024

Wageningen University

- Assisted in teaching **scripting** for geospatial analysis, and **big data** science approaches.
- Provided support for students working with **Python, R & Bash**.

Junior Consultant and Project Manager

2024

- Led a student team in Academic consultancy training in collaboration with Space4Good on Super-Resolution for road detection.
- Developed a deep learning pipeline** to enhance road detection capacity.

Research Aide

2020–2023

Vilnius University

- Managed and maintained a **database** for geospatial and environmental research.

HIGHLIGHTED COURSES

Data science & coding courses

(9.5/10.0 GPA)

Machine Learning, Deep Learning, Big Data, Database Management Systems, Statistics, Software Engineering, and Geoscripting.

GIS and Remote Sensing (RS) course

(9.4/10.0 GPA)

GIS Basics, Geo Information Tools, Advanced Earth Observations, Applied Earth Observations from Space, RS applied to Geosciences.

Hydrology related courses

(10.0/10.0 GPA)

Oceanography, RS in Hydrometeorology, Satellite Altimetry, Principles of Hydrogeology, Environment Protection of Baltic Sea Basin.

SKILLS

Scripting languages

Python, R, Java, Bash/Shell. Basics: HTML, JavaScript, CSS.

Packages

PyTorch, PyTorch Lightning, Scikit-learn, PySpark, Rasterio, GeoPandas.

Tools

ArcGIS Pro, QGIS, Google Earth Engine SLURM, Git, SQL, Photoshop & Illustrator.