



## Nikolina Zalleme

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🐙 **GitHub account**: <https://github.com/NikolinaZalleme>

🌐 **LinkedIn**: <https://www.linkedin.com/in/nikolina-zalleme-404b90210/>

**Gender**: Female **Date of birth**: 03/12/1999 **Nationality**: Albanian, Greek

### WORK EXPERIENCE

[ 20/02/2024 – 20/08/2024 ]

#### Geoinformatics Analyst

**DROMT Srl**

**City**: Torino | **Country**: Italy

- Processing of drone images.
- Developing algorithms for zonation purposes and change detection in agricultural fields.
- Producing prescription maps.
- Analysing vegetation indexes.
- Developing features for photogrammetry software.
- Using computer vision with python for stand count purposes.

[ 25/03/2022 – 29/03/2022 ]

#### Workshop Tutor in "Analysing the Amazon Deforestation with Machine Learning"

**ITU Events**

**City**: Milano | **Country**: Italy

- Answer the questions of the online audience following the workshop.
- Help the audience in coding in Google Earth Engine.

[ 16/12/2020 – 01/2021 ]

#### Bus Surveyor at "Sustainable Urban Transport" project

**GIZ Albania**

**City**: Tirana | **Country**: Albania

- Surveying boarding and alighting patterns of different bus routes in Tirana and reporting on bus operation patterns.

[ 07/2020 – 08/2020 ]

#### Assistant Engineer

**Department of Planning and Control of Territorial Development**

**Address**: Lagjia 12, Boulevard "Shen Gjergji" , Nr. 12, Korçë , Albania , Tirana, Albania

- Registering the population by respective regions using Excel.
- Registering the population according to the respective polling stations and their dwelling using PLGP web GIS.
- Building layouts using AutoCad.

### EDUCATION AND TRAINING

[ 01/09/2024 – Current ]

#### PhD candidate

**Politecnico di Milano** <https://www.polimi.it/>

**City**: Milano | **Country**: Italy |

The research is focused in performing PPP with LEO satellites.

[ 12/2021 – 16/07/2024 ]

#### Master's Degree

**Politecnico di Milano**   <https://www.polimi.it/>

**City:** Milano | **Country:** Italy | **Field(s) of study:** Geoinformatics Engineering | **Thesis:** Advancements in Precise Point Positioning by using GNSS and LEO satellites.

The course of Geoinformatics covers every field of knowledge related to Geospatial Data Analysis, Earth Observation techniques, Positioning and Location Based Services, Photogrammetry and other Remote Sensing techniques. My courses included also subjects like Artificial Intelligence, Artificial Neural Networks, Development and Implementation of Mobile Applications, Software Development, Internet of Things.

[ 15/11/2018 – 07/2021 ]   **Bachelor's Degree**

**Polytechnic University of Tirana ( Faculty of Civil Engineering)**   <https://upt.edu.al/>

**City:** Tirana | **Country:** Albania | **Field(s) of study:** Geodetic Engineering | **Final grade:** 9.2 ( out of 10)

These three year of studies include every knowledge in Geomatics and Geodesy. Starting from Land Surveying, Astronomy, Mathematical Geodesy and Geodetic Networks to Satellite Imagery, GNSS, Photogrammetry. My studies involved two full courses of ArcGIS and AutoCad.

## LANGUAGE SKILLS

**Mother tongue(s):** Albanian , Greek

**Other language(s):**

### Italian

LISTENING C1   WRITING B2

SPOKEN PRODUCTION B2   SPOKEN INTERACTION B2

### Spanish

LISTENING B2   READING B2   WRITING B1

SPOKEN PRODUCTION B2   SPOKEN INTERACTION B1

### English

LISTENING C2   READING C2   WRITING C1

SPOKEN PRODUCTION C1   SPOKEN INTERACTION C1

*Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user*

## DIGITAL SKILLS

### My Digital Skills

#### Computer Skills

Microsoft Office

#### Programming Skills

Python ( Geopandas, Pandas, TensorFlow, Keras ) | Flutter | HTML | CSS | Basic knowledge C++ & JavaScript | SQL | Python (NumPy, Matplotlib)

#### Databases & Servers

PostgreSQL | GeoServer (Independent user)

#### Others

Photogrammetry (AgiSoft Metashape) | Data-Science, GIS and Remote Sensing | Node-Red, ThinkSpeak, Wireshark | Git & Githubs | GIS software: Expert QGIS and good control of ArcGIS | GIS Skills- Map processing, spatial analysis | Photomodeller

## MANAGEMENT AND LEADERSHIP SKILLS

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### Leadership

Able to lead as a leader of a group, based on previous experiences as a project leader or even as part of a student council. I tend to motivate my team members or colleagues to achieve the objectives of the team work.

### Time Management

Able to manage time in an efficient way and always deliver the work and projects in time. Able to organise everything in such a way that no delays can be an obstacle for my work process.

## ORGANISATIONAL SKILLS

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### Work under pressure

I have the ability to work under pressure with a lot of calmness and self control.

## HOBBIES AND INTERESTS

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### Free Time

- Reading
- Travelling
- Gym
- Tracking
- Dancing

## COMMUNICATION AND INTERPERSONAL SKILLS

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### Active Listening

Capability to listen with attention to whom is speaking to me. Asking questions when something is unclear and giving thoughtful responses. This is mirrored in my good grades in master's, considering that all the lectures were given in a language different from my mother tongue.

### Verbal Communication

Ability to communicate effectively in one to one conversations and groups. Through my academic years I have been elected as student representative and have done several presentations in public.

### Professional Skills

- Integrity
- Imagination
- Objectivity
- Quick Learning
- Able to cope with responsibilities.
- I tend to always explore for learning new applications in different fields related to my studies.
- Always opened to new experiences.

## CERTIFICATES

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[ 15/01/2021 ]

### IELTS

Academic English Language Certificate

CEFR Level: C1