

Marina Celestino

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Friedrich-Ebert-Str 45
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Summary

Senior GIS engineer with quality assurance & programming experience.

Skills

Python, Data Validation, GIS, Remote Sensing, LIDAR, Annotation, Graphs

Experience

Test Manager

CID GmbH · Leipzig, Germany

05/2022 – 11/2022

At CID, we collect data from multiple data sources and merge them in a graph database (Neo4j). This merge is not trivial and can lead to errors like duplication. My task is to find those errors and develop ways to avoid them. In particular,

- I implement backend tests using Python and Cypher.
- I evaluate data quality manually.

Expert in Data Annotation

CID GmbH · Leipzig, Germany

05/2021 – 05/2022

Our machine-learning algorithms' training requires annotated texts. As an Expert in Data Annotation, I

- Annotate text with their topics, entities, and keywords.
- Create new themes using keywords and annotations.
- Define annotation guidelines.
- Evaluate the quality of our algorithms.

Photogrammetrist

GEO Institute of Projects & Research · Yekaterinburg, Sverdlovsk Oblast

06/2012 – 05/2018

As a photogrammetrist, I work with satellite and airborne images, including urban areas, forests, water features, and fields. Our customers include entities from both private and public sectors. I have three broad areas of responsibility:

Remote sensing

- Implementation of all stages of a photogrammetric project: From data collection to project delivery.
- Integration of multiple techniques & software to optimize the project workflow.
- Stereoscopic vectorization. Creation of DEMs, orthomosaics, and 3D models.

Lidar

- Creation of digital (2D/3D) terrain models.
- Process/classification of point clouds.

Cartography and GIS

- Creation/update of topographic maps/plans.
- SQL queries.

Department Assistant

Ural Federal University · Yekaterinburg, Sverdlovsk Oblast

02/2015 - 06/2017

- Lecturing (theory/lab) in subjects of geoinformation systems and photogrammetry.
 - Elaboration of educational programs.
 - Mentoring bachelor and master students toward their final qualifying work.
 - Teaching further-training programs to fellow photogrammetrists.
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Tools

Python, SQL, Neo4j, Google Earth, Trimble Inpho, Trimble UAS Master, Trimble eCognition, Agisoft PhotoScan, Microstation +TerraSolid, GIS MapInfo, GIS Panorama, AutoCAD Civil 3D, Global Mapper, Racurs Photomod

Education

Information Systems and Technologies

Diploma of the Ural Federal University · Yekaterinburg, Sverdlovsk Oblast

06/2013

Languages

English, Russian, German (B1)