

## Geo Data Scientist / Engineer

Join the team of ExoLabs (exolabs.ch), a dynamic company specialized in the development of remote sensing solutions. ExoLabs is a spin-off of the University of Zürich, founded in 2017.

You will be involved in the exploration and testing of new technological solutions that leverage spatial data to solve problems of public administrations. The objective is to identify new services or to optimize existing processes in public administrations in areas such as land management, environmental monitoring, or statistics.

### Tasks

- Data collection, processing, spatial and temporal analysis, and valorization
- Processing of multi-source (GIS, BIM, IoT, social networks,...) and polymorphic data (satellite and aerial images, LiDAR point clouds, vector data, videos, ...), coming from private and public data platforms
- Design, implementation and/or use of algorithms, in particular machine learning (including deep learning), applied to geoinformation related issues
- Documentation and communication (e.g. in conferences)

### Technical skills

- Master's degree or higher in a scientific field such as (geo-) informatics, geomatics, mathematics, physics, statistics or similar
- Programming in Python and/or the following languages: R, C, C++, Matlab/Octave, Julia, ...
- Knowledge of the following software: FME, QGIS and/or ArcGIS, AutoCAD, Pix4D, CloudCompare, ...
- Use of Git
- Knowledge of machine learning, algorithms, GIS and web technologies, and ease in acquiring new knowledge and skills

### Soft skills

- Work independently, responsibly, organized, and collectively as part of a team
- Ability to communicate in a constructive, transparent, and open manner
- Interest in working in a variety of fields
- Good working knowledge of an official Swiss language and of English

### Duration

We offer a 1 year contract. Possible extension depending on the evolution of the projects and the development of ExoLabs. Rate of activity between 80% and 100%, from July 1st or date to be agreed.

### Location

Remote work from your home and possibility to work in customer premises.  
Application

**Applikation via mail: [contact@exolabs.ch](mailto:contact@exolabs.ch)**