



Forestry Remote Sensing Internship

About Viridian Raven

We are a young Earth observation company. Our aim is to make satellite data products available for the forestry sector. We develop algorithms for risk analysis to identify high-risk zones against harmful insect outbreaks, in particular caused by bark beetles.

These insects can destroy entire forests within a short period and their damage costs forest managers millions of euro's each year. We provide the information of the risk zones on our online platform, allowing foresters to intervene early, so they will be able to better protect their forests.

Our goal is to help forest managers worldwide to keep the forests healthy; first in Europe, followed by the United States and Canada. We are now looking for an intern in data management and operations.

Internship Assignment

In order to adequately map bark beetle risk zones, it is important to know how much dead wood is present in the forest and when the wood was damaged. A major factor in this is storm damage. For many areas we cannot receive storm damage data of the accuracy which we require from the end-user side. Foresters do not directly know where heavy storm damage occurred or how heavy the damage was.

Your task will be to investigate which method works best to map storm damage timely and accurately. You will work with optical data and/or SAR data, and potentially also with high resolution data from our partners.

Aside from this, you will be closely involved in the day to day life of a start-up. This means you will be involved in the operations of the existing risk model, identifying new business opportunities, be in contact with foresters in the field to gain insight in the data, and automation of data processing and database improvement. This would depend on your skills and preferences.

What will you do?

- Be part of a dynamic start-up
- Download and process (satellite) data
- Find new data sources where required
- Prepare documentation for programming to improve current procedures
- Support in day to day operations
- Be in contact with both tech experts and non-experts to explain our solution
- Join us in networking events

Who are you?

Innovative | Passionate | Fast learner

- Innovative thinking
- Critical
- Fast learner
- Problem solver
- Interested in forestry / botany



- Interest in the possibilities of satellite data
- Great computer skills
- Comfortable to work both independently and in a team

What are your skills and experiences?

- Data management
- Geo-Information Systems, preferably QGIS, Google Earth Engine, R
- Earth Observation / remote sensing
- Communication

Contact us!

Do you think you are the right match for Viridian Raven? Get in touch with us and maybe you will become our new colleague. You can send questions or your resume, including references and a motivation, to: lisa.broekhuizen@viridian-raven.com

We look forward to hearing from you!