



"Earth Observation for Social & Environmental Impact"

INTERNSHIP

GIS & ML SPECIALIST (Drought & Food Security)

COMPANY

Space4Good is an innovative social enterprise utilising earth observation technology for social and environmental impact. Combining remote sensing, GIS and artificial intelligence, we map, analyse and model complex ecosystems and support leading organisations and institutions on topics such as regenerative agriculture, tropical agroforestry management and humanitarian aid. By doing so we help impact makers on the ground to make more informed decisions, improve operational efficiency, create data-driven transparency and unlock new revenue sources.

INTERNSHIP GOAL

Predicting the Impact of Drought on Food Security in East Africa to Support Humanitarian Response

RESPONSIBILITIES

We are seeking an intern to join our team and contribute to our ongoing project on predicting the impact of drought on food security in East Africa to support humanitarian response. In this internship, you will work closely with our team of experts to analyze open source data, soil moisture and vegetation indices, and develop models to predict the potential impact of drought on food security in the region. The aim of this project is to provide early warning and support for humanitarian response to the potential impact of drought on food security in the region.

Specifically, you will : (i) Collect and analyze open source data together with soil moisture and vegetation indices in East Africa, (ii) Develop models to predict the impact of drought on food security in the region, (iii) Work closely with our team of experts to refine and validate the models, (iv) Communicate findings and recommendations to the team and other stakeholders, (v) Support the humanitarian response efforts by providing early warning of potential food insecurity due to drought.

PROFILE

We are looking for somebody who has:

- Familiarity with open source geo-data and GIS tools
- Proficient in python programming, potentially also in R and JavaScript (Google Earth Engine)
- Experience with Machine learning in python
- Strong analytical skills and excellent written and verbal communication skills
- Available for at least 4 months (up to 6 months preferred)
- Ability to work independently and among diverse team members
- Passion for social and environmental impact!

CULTURE

Space4Good is a registered B. Corporation following an impact-first principle. We achieve our mission of using earth observation for social and environmental impact through service leadership which leads to a fulfilling work environment of trust, initiative, collaboration and customer orientation. We operate both project and service-based creating opportunities to engage in challenging state-of-the-art technical innovation as well as globally scalable and affordable applications. We aim to engage with partners and clients with the highest impact potential, who we support through small, dynamic team structures and iterative development cycles embracing fun and professionalism at the same time.

CONTACT

In return we want to offer you this unique opportunity of professional and personal development, leaving a mark in society but also at the very core of our company DNA! Sounds like your dream job? Tell us why and attach your CV to internships@space4good.com.