



eLEAF is an information services supplier for the agricultural, water management and insurance sectors. We offer a wide variety of satellite-based solutions to our customers, and we take up a leading position in the world. We produce our own data products, leveraging our in-house developed models. We make these accessible via web-based applications and APIs for both private and public parties worldwide. Helping organizations to become more sustainable and climate resilient is what makes us tick.

Internship on Hyperledger

The application of a Hyperledger for transactional transparency, secure data management, fine grained authorization and the tracking of user data

For our IT team we are looking for an intern with a strong interest in building blockchain-based systems in general, and [Hyperledger](#) in particular. This activity is expected to be performed between four and six months starting preferably mid-September 2022.

Objective

The objective of this project is to study and assess the use of Hyperledger for transactional transparency between data services and data consumers, for safe and secure data management. The Hyperledger-based system also serves as a proof-of-concept of a fine-grained authorization system that allows end users to specify data accessibility. In addition, the ledger, where transactions and digital interactions are recorded, will allow for tracking user data. The goal of the internship is to design this system, and to study its possible use cases. The deliverable is a document that provides an assessment of the usefulness of Hyperledger and limitations.

Student Profile

Under this internship, we'd like to make use of the following skills and/or strong interest in the following fields:

- Smart Contracts, Hyperledger, Web3
- Cryptographic principles
- Web Service APIs (REST, SOAP)
- Authentication (OAuth2)

You can independently carry out your work and are supported by our IT team. Fluency in English is prerequisite as eLEAF is an internationally operating company, with customers from all over the world and employees from many different countries.

This position offers plenty of interesting challenges and opportunity for professional development. You will be working in an inspiring work place with motivated colleagues who like to make an impact on sustainable water use and the improvement of agricultural production. We offer an internship salary.

Your application has to be submitted to Joske Borsboom at joske.borsboom@eleaf.com. Please include a motivation letter with your CV.