

Electrical engineer:**About Digit Soil:**

Digit soil is an ETH startup project financed by the [Pioneer Fellowship](#) program - incorporation planned for the end 2021. We are developing the first soil health sensor for answering the needs of farmers, but also scientists, gardeners, and governments. For more information, see our website: <https://www.digit-soil.com>

About the job: Active co-development of prototypes of portable sensor measuring soil health with spectroscopy methods in terms of building electrical and optical components.

Primary responsibilities and tasks

- Contribution to ideation, design, and testing of new iterations of soil sensor prototypes
- Identifying necessary components, finding most suitable producers, assembly of the prototypes, testing of the prototypes
- Writing simple code for device control
- Optional: co-designing of the casing for the sensor

Experience

- Experience in prototyping and product development
- Bachelor, Master or equivalent in electrical engineering

Soft skills

- Teamplayer
- Communicate progress and issues with the CTO and with his/her colleagues
- Self-organized
- Self-motivation and problem-solving skills (proactively look for solutions)
- Fluent in English (written and oral)

Hard skills

- Knowledge about light detection and quantification technologies is a plus
- Ability to design PCBs is a plus
- Ability to write simple control software for electronic components (e.g. in Python)
- Ability to solder and do manual work

Cultural fits

- Works independently and on schedule

Workload

- Flexible but at least 1 day/week - preferably higher time involvement

Apply to the job:

Contact us at digitsoil.info@gmail.com