

Drone-borne remote sensing in agriculture.

Internship assignment

Company name VanBoven Drones B.V.

Company type Startup

Office location The Hague

Feeding the world's increasing population is one of the 21st century's biggest global challenges. A wave of innovation is required to revolutionize the efficiency of modern-day farming. **Remote sensing** is widely anticipated to make its mark on the future of **farming**. Steady adoption of drones has provided the agricultural sector with a means to gather large amounts of data. However, we need smart algorithms to turn this **data** into valuable **information**.

Remote sensing is widely anticipated to disrupt the way we think about agriculture.

VanBoven

VanBoven is a Dutch AgTech startup in **The Hague** founded in 2018 by **TU Delft** and **Wageningen University** alumni. VanBoven provides arable farmers with **"drones-as-a-service"**: an easy way to use drones and collect crop data. VanBoven applies machine learning algorithms to extract valuable crop information for its customers. Crops are monitored every other week, providing **time-series** of high resolution **geo-referenced RGB-imagery**. VanBoven collaborates with Wageningen's Geo-Information lab.



Internship

We have several internship subjects available with regards to:

- Automatic classification of crops and weeds;
- Tracking individual objects through time-series data;
- Accurately geo-referencing drone-imagery.

As an internship student you will work at our office in **The Hague** and support us in developing new smart algorithms. You will be supervised by an accredited Geo-Information engineer (Msc.) and work closely together with the founding team. You will be **involved in day-to-day operations** at VanBoven. There will be plenty opportunity to join us on **customer visits** and perform ground-truthing when needed. **Entrepreneurial students** are encouraged to apply, as this is a great start-up experience. We facilitate both thesis and regular internships and are open to all students with an interest in data analysis. Knowing how to print **'Hello world'** in **Python** is preferred. We will define your exact assignment together with you. This makes sure the assignment fits your requirements and interests as well as ours.

Interested? Let's get to know each other over coffee to make sure you're making the right choice. Please contact me at:

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