

# Object-based analysis of agricultural drone imagery

Internship assignment

**Company name** VanBoven Drones B.V.

**Company type** Startup

**Assignment** Development of computer vision algorithm for processing of drone imagery in agriculture

**Office location** The Hague

Feeding the world's increasing population is one of the 21<sup>st</sup> century's biggest global challenges. A wave of innovation is required to revolutionize the efficiency of modern-day farming. Computer vision has the potential to play a major role in this revolution. Steady adoption of drones in agriculture has provided the sector with a means to gather images – computer vision can help them turn their data into valuable information.

*Computer vision has the potential to revolutionize farming.*

VanBoven is a Dutch tech 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 agricultural data. VanBoven applies machine learning algorithms to the collected data, extracting valuable crop-data for its customers. Crops are monitored every other week, providing time-series of high resolution geo-referenced RGB-imagery.



As an internship student you will work at our office in The Hague and support us in developing new computer vision algorithms. We have several internship subjects available with regards to automatic classification of weeds, development of predictive yield models and image-based crop measurements. We facilitate both thesis and regular internships.

Together we will define your exact assignment. This makes sure the assignment fits your requirements and interests as well as ours. As an internship student you will directly work together with our founding team and be involved in day-to-day operations at VanBoven. Entrepreneurial students are encouraged to apply, as this is a great start-up experience.

Interested? Let's get to know each other over coffee. A no-strings-attached meeting to make sure you're making the right choice. Please contact me at:

kaz@vanboven-drones.nl - (+31 6 38 31 25 58) – [www.vanboven-drones.nl](http://www.vanboven-drones.nl)