

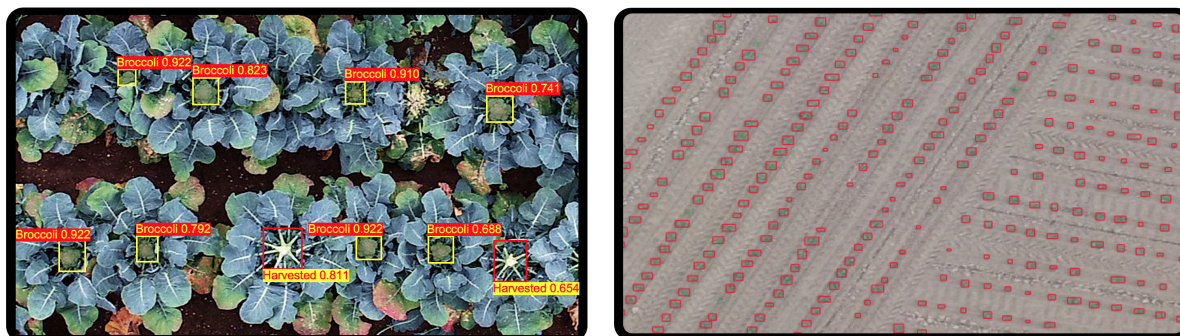
Data-driven harvest forecasting

VanBoven Internship

Ever thought your knack for technology could change the way we feed the world? At VanBoven, we make agriculture more data-driven by developing predictive solutions using drone imagery and AI. We currently have an internship position open, so grab your chance and join us on our mission.

Job Description

At VanBoven we have developed proprietary Deep Learning technology to automatically analyze agricultural drone imagery. In fields with over 150k plants, our algorithms are able to identify every single one of them. We determine every plants' size, and compare it with previous recordings to establish growth patterns. When harvest time comes around we take it to the next level and determine which broccolis, lettuces and cabbages are ready to be harvested.



By one we have collected a large amount of harvest data. We use drones to identify the harvest potential in plants that are very near to their ideal harvest date. We would like to also predict when the plants will reach this growth stage, so we can apply the drones optimally. We have several ideas to do so, ranging from using satellite imagery to cross-referencing different fields. In this internship assignment you will investigate one or more solution directions to help us predict the harvest window of a crop field, prior to using drone data.

What will you do?

- Inspect our current data and groundwork and set the scope for your research
- Gather/scrape other external data that you feel are necessary
- Develop your own method and tooling
- Run your analysis on the data you've gathered and test its performance
- Operationalize your solution so it can be used in our day-to-day operation

What do we expect from you?

- Msc. level thinking with analytical focus and hands-on mentality;;
- Not afraid to dive into research literature;
- Good understanding of probability and statistics;
- Experience with time series modeling;
- An interest in remote sensing and plant growth;
- Experience with Python and relevant libraries;
- Available for at least 5 month;
- Fluency in English. Dutch is a bonus.

What we offer

- €300/month full-time internship reimbursement.
- Hands-on learning about Deep Learning in industry.
- Flexible work hours and location.
- Travel allowance.
- Being part of a quickly growing team and startup.

Interested? Please send your CV and a short motivation to me (kaz@vanboven-drones.nl) and I will get in touch with you as soon as possible. Any questions, remarks, tips, feel free to get in touch with me over mail.