

## **Position : Machine Learning & Data Science Engineer**

**Location : Heerlen, NL**

### **About us**

Our work contributes to a world in which agriculture is done more efficiently and reduces the impact on our planet. We build sensors and analytics software for scientists, breeders and farmers around the world to better understand and manage their crops – any time and any environment. We help to automate the hardest jobs in plant science, plant breeding and in agriculture with solid and elegant solutions. We are an international team coming from diverse backgrounds in plant science, agriculture, physics, computer vision and business and we love to solve challenging problems.

### **Working as a Machine Learning & Data Science Engineer at Phenospex**

We are investing to accelerate our momentum and are looking to grow our team. If you constantly strive for excellence, are passionate about innovation and want to work with a small collaborative, energetic team – then Phenospex is for you. Your overall job objective is to design and develop software algorithms for feature detection, plant parameter calculation and prediction and to support the team and our customers in special data science projects. You discover the hidden information needed to make smarter decisions.

### **Responsibilities**

- Design and development of ML and deep learning systems for plant organs detection
- Design and implementation of appropriate algorithms for plant segmentation based on 3D and color (RGB and NIR) information
- Collection and maintenance of test 3D data sets for all kind of plants and measuring conditions
- Selection of appropriate data sets and data representation methods
- Testing and validation of developed algorithms using 3D data sets
- Performing statistical analysis and fine-tuning using test results
- Completion of special data science assignments based on customer's requirements
- Keeping abreast of developments in the field
- This position will require you to travel approx. 20 days a year

### **Qualifications**

- Bachelor in Computer Science or Mathematics
- Working experience as a Machine Learning Engineer or in a similar role (machine vision, 2D/3D image processing, neural networks) is a plus
- Understanding of data structure, data modeling and software architecture
- Deep knowledge of math, probability, statistics and algorithms
- Good knowledge of C++, Linux and bash scripting is required; knowledge of R, Python & SQL is a plus
- Creativity and outstanding analytical and problem-solving skills
- Excellent communication skills in English; German and/or Dutch would be an asset
- Prepared to upgrade technical knowledge constantly to keep abreast of new developments
- Team player with strong communication skills, comfortable working in a dynamic environment, ability to “roll-up your sleeves” and lead by example

Phenospex offers you an inspiring working environment with an engaged, committed, multi-cultural team and lots of room for personal development.

## **Interested in joining?**

Then please send your CV with “**Machine Learning & Data Science Engineer**” in the subject line and brief explanation why your interests and background match this position. Phenospex offers competitive compensation.

Contact: Alexandra Müller | [jobs@phenospex.com](mailto:jobs@phenospex.com) | T: + 31 45 71 11 693 [www.phenospex.com](http://www.phenospex.com)