

# Lead Data Scientist / AI



## Profile

Polytential is looking for an ambitious Lead Data Scientist / AI to join the team, who is thrilled by working in an exciting and dynamic startup environment. Are you someone that embraces unconventional solutions, thinks strategically and thrives when working in teams? Then consider joining us!

## The company

Polytential develops the Virtual Chemist, a device for the plastic recycling industry that improves the quality and production efficiency of recycled plastics. We give recyclers insight into the composition of plastic waste, using artificially intelligent algorithms that interpret sensor data. The Virtual Chemist is a hardware product with its own GUI. It integrates hyperspectral sensors with in-house developed AI algorithms. Our vision is to make plastic recycling data driven, in order to increase the profitability and in this way push the recycling of plastics to a higher level. We maintain a sound balance between sustainability and business. The Virtual Chemist has been used in paid pilots and is almost ready for market entry.

We are a multidisciplinary and international team of 8 people, that aims to push technology further. We believe that the best way to develop a product is through iterations and trying things, without fear of failure. Our office is in Delft, The Netherlands, at the incubator Yes!Delft, where the environment and culture is based on cooperation and celebrating successes, but also failures. Our team's mentality is to work hard and play hard, thereby creating a perfect balance between an informal atmosphere and a high productivity environment.

## Job description

- Development and implementation of stable computer vision (mostly AI) models into product
- Growing and managing the computer vision/software team
- Managing the integration of hardware and software components
- Translation of customer feedback into product features
- Defining long term strategic goals with business team
- Stack maintenance

## Qualifications & Experience

Required:

- Good knowledge of Python and TensorFlow / PyTorch
- Experience with training computer vision models and building scalable models
- At least basic understanding of Linux/Unix
- Experience with Git
- Clean coder
- Ability to guide and align people

Nice to have:

- Experience with OpenCV (or similar) and Keras
- Experience with Git lab flow
- Experience with managing big data and stream processing
- Knowledge of Linux/Unix administration, web and networking technology (OSI layer 3-7)
- Knowledge Apache webserver or Nginx
- Knowledge of Bazel, buildkite
- Understanding of engineering and hardware design (and how it interfaces with software)

## Our offer

We offer an opportunity to have a major impact on the company's culture and business. Additionally, we offer an attractive package of salary and a significant part of the company's shares.

For more information please contact Jeroen Cevaal (+31 6 40021224) or send an email to [jobs@polytential.eu](mailto:jobs@polytential.eu).

