

# Computer Vision Engineer

---

## About Fizyr

Fizyr integrates vision software into robot systems to handle objects varying in shape, size and colour. Through our deep learning algorithm, robot systems learn to recognize unknown objects autonomously. Equipping robots with Fizyr frees hands from repetitive tasks and greatly speeds up automated processes.

Under the name Delft Robotics (precursor of Fizyr) we ranked first in both the picking final and stowing final of the prestigious Amazon Picking Challenge in 2016, establishing our solution at the forefront of cognitive technology.

## The opportunity

We are a young and fast-growing start-up. We are recognized by world-class partners for the capabilities of our algorithms. To fulfil the high expectations of our customers, we are looking for a computer vision engineer to expand our team of bright minds.

We offer a job in an exciting, high tech environment within an enthusiastic team of highly skilled experts. We are close to the research community and work on applications of state-of-the-art computer vision technology. Your computer vision solutions will run in production at the facilities of large customers.

You will be able to contribute to open-source projects, both those maintained by Fizyr and those of third parties.

The job allows you to grow personally and further develop yourself along with the growth of the company. We have a flexible way of working in line with personal choices.

The salary for this position is up to 4.000 Euro gross per month.

## Function description

As computer vision engineer, you will be developing and implementing algorithms to solve complex 3D vision challenges for industrial applications.

## Activities

- Work with international customers to understand their requirements and challenges
- Develop both prototypes and deployment-ready computer vision applications
- Select suitable camera principle and type
- Calibrate camera and robot
- Develop pose estimation algorithms
- Develop detection and classification algorithms
- Write high quality, well documented code
- Apply and contribute to the Fizyr toolset of vision algorithms

## Requirements

- Experience with developing computer vision algorithms
- Experience with programming in Python and C++
- Experience with frameworks / libraries: OpenCV, Point Cloud Library
- Affinity with deep learning
- Team player with excellent communication skills
- Analytical thinking and pragmatic problem-solving capability
- Able to work independently and manage time

- BSc level in computer science or relevant field; MSc is preferred
- Preferred experiences: Boost, mathematical knowledge (linear algebra, optimization algorithms), version control with Git, camera knowledge (time-of-flight, stereo vision, structured light), process parallelization, deep learning frameworks: Keras, Tensorflow, Caffe, MxNet, PyTorch

### How to apply

Candidates interested in this job opening are invited to send their CV and motivation letter to [career@fizyr.com](mailto:career@fizyr.com)