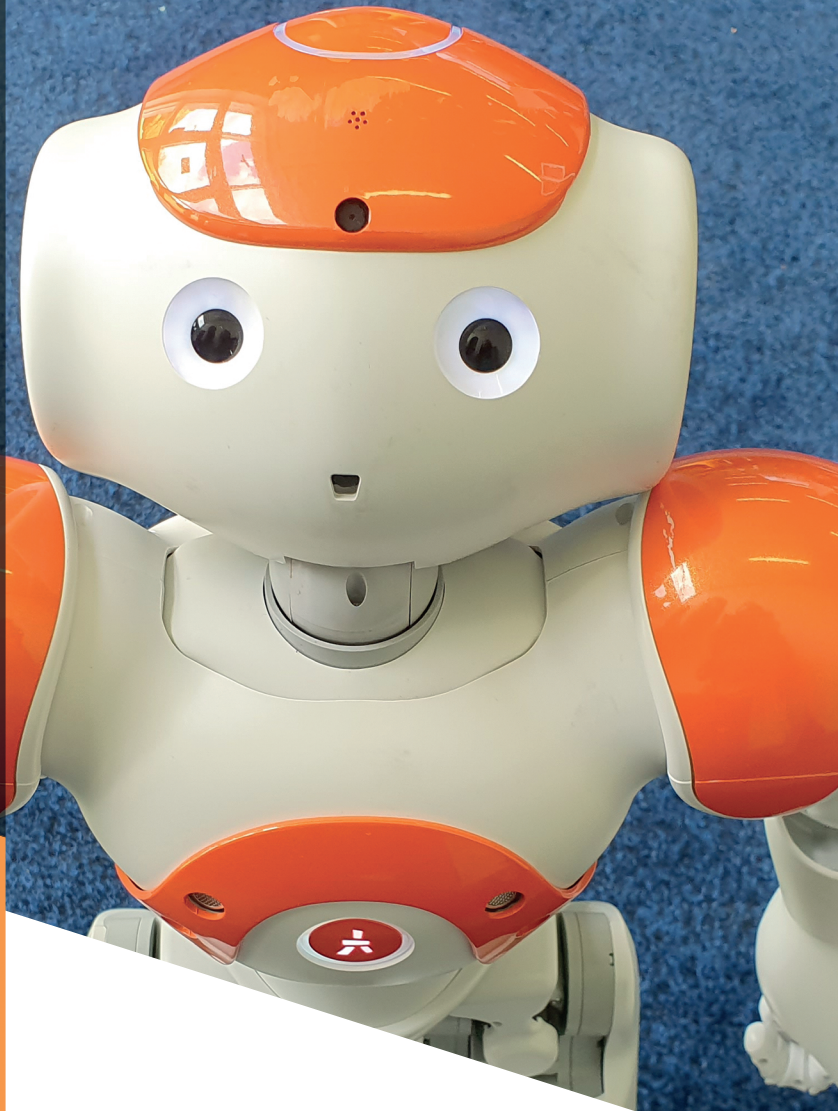


AI ROBOT

NAO follows you

Using the neural network YOLO, our NAO robot recognizes and follows a person within its sight.

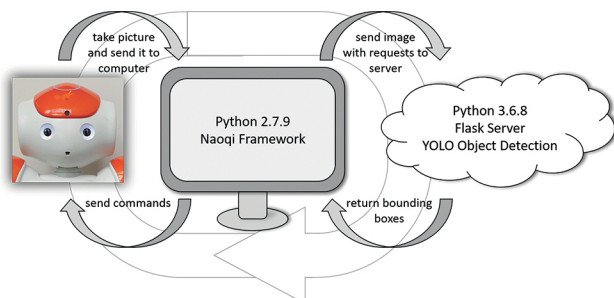


Team Members

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How it works

NAO takes pictures of its sight regularly. The pictures are sent to a server, on which the real-time object detection YOLO determines persons on the pictures. The neural network returns the bounding boxes. Then the robot calculates how to adapt its position to walk towards the person.



Neural network YOLO

YOLO (You Only Look Once) is a real-time object detection architecture which determines objects in a picture and draws bounding boxes around them.

It is possible to use a pre-trained model or to train YOLO by yourself.

