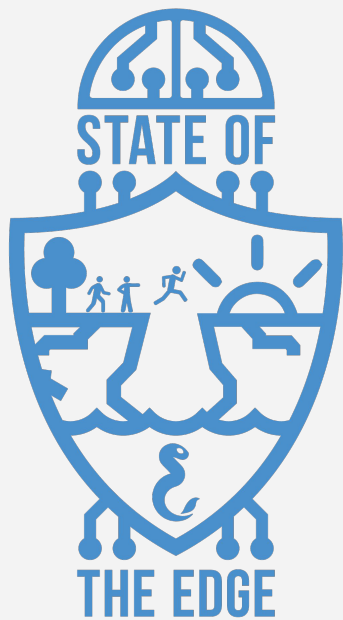


hello



Alexander Rogiers

alexander.rogiers@[robovision.eu](mailto:alexander.rogiers@robovision.eu)

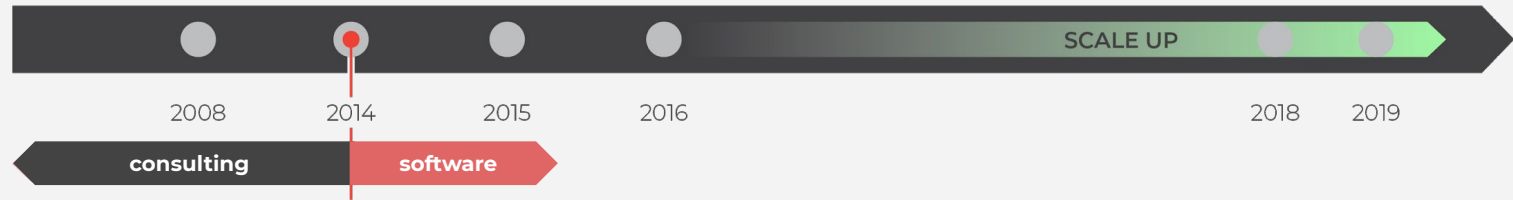
2012 - 2018: Fysica en Sterrenkunde @ UGent

2017-2020: Data Scientist

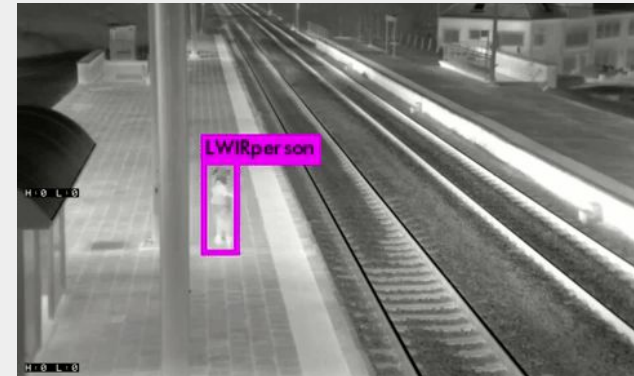
2020: Project Manager



EMPLOYEES: 1 2 4 5 31 +45

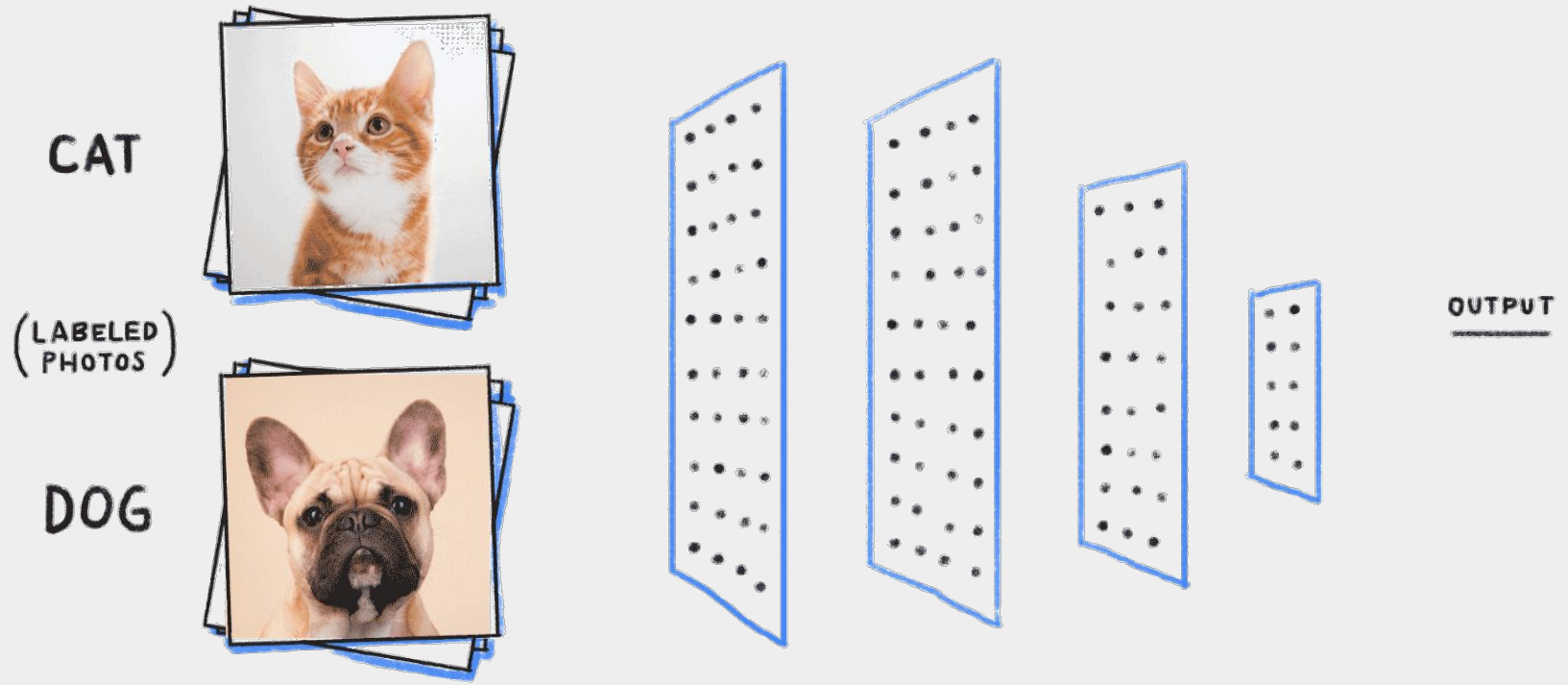


Robovision AI is **everywhere**





Robovision AI software running
across the world



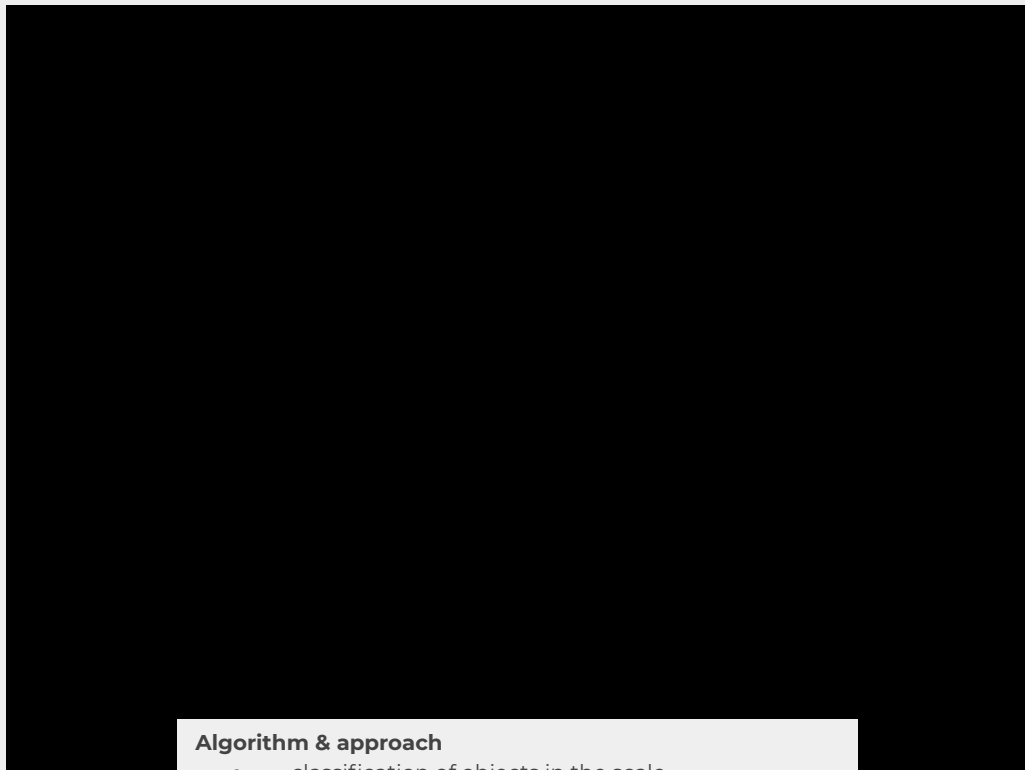
REFERENCE CASES | Rose-cutting machine



Algorithm & approach

- 2D semantic segmentation on rose parts
- converted to snipping location, steers robot arm and gripper

COLRUYT CASE | Fruit and vegetable recognition

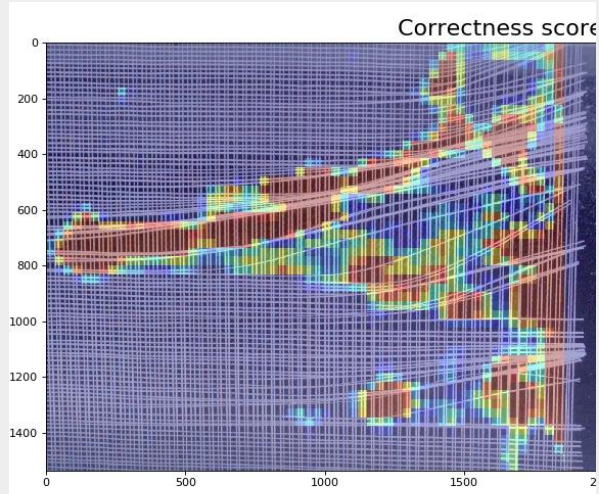


Algorithm & approach

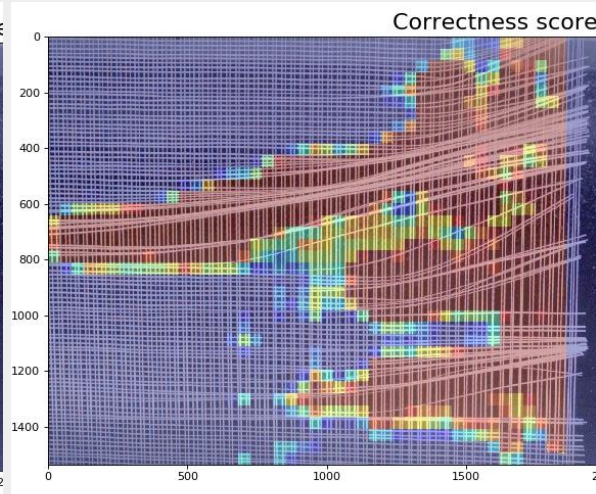
- classification of objects in the scale
- provides a Top 3 of options (self-labeling)
- can train on mistakes at night



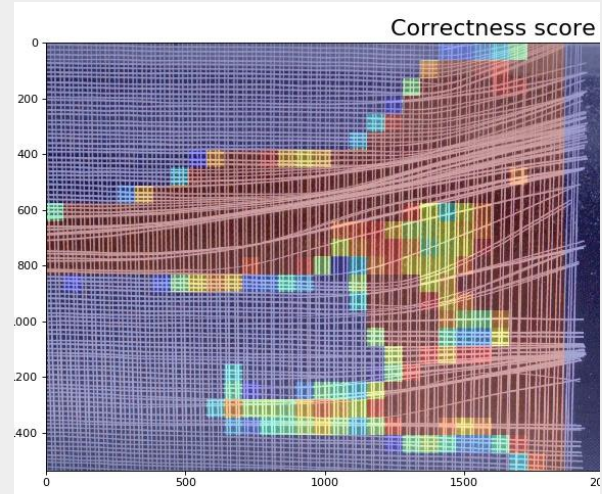
4096 x 1536



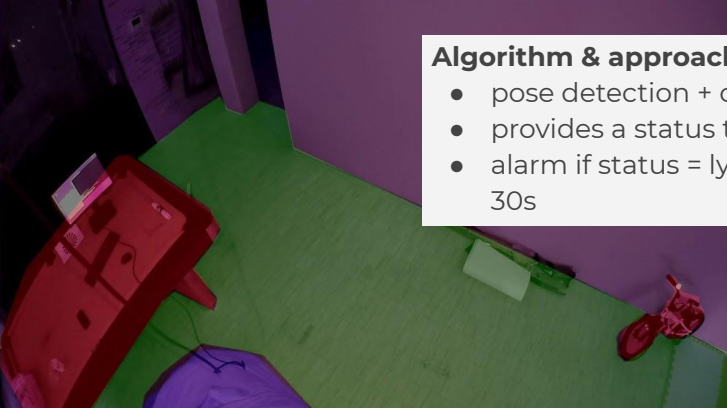
3072 x 1152



2048 x 768



REFERENCE CASES | Fall Detection



Algorithm & approach



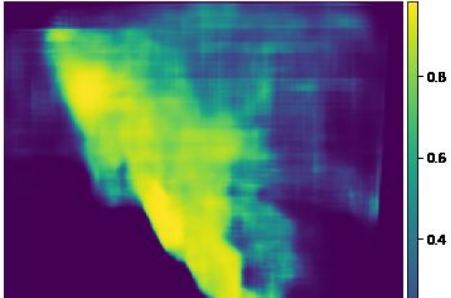
- pose detection + classification
- provides a status that is tracked
- alarm if status = lying on the ground for 30s



/lying on bed



REFERENCE CASES | Smoke / Fire Detection

Original Image	Ground truth	Our prediction
		 <p data-bbox="1379 565 1696 598">Algorithm & approach</p> <ul data-bbox="1402 604 1798 667" style="list-style-type: none">● semantic segmentation● alarm if smoke is detected

Original Image	Ground truth	Our prediction
