

Principles of Robot Autonomy II

Section 2: Do turtles play chess?



Stanford
University



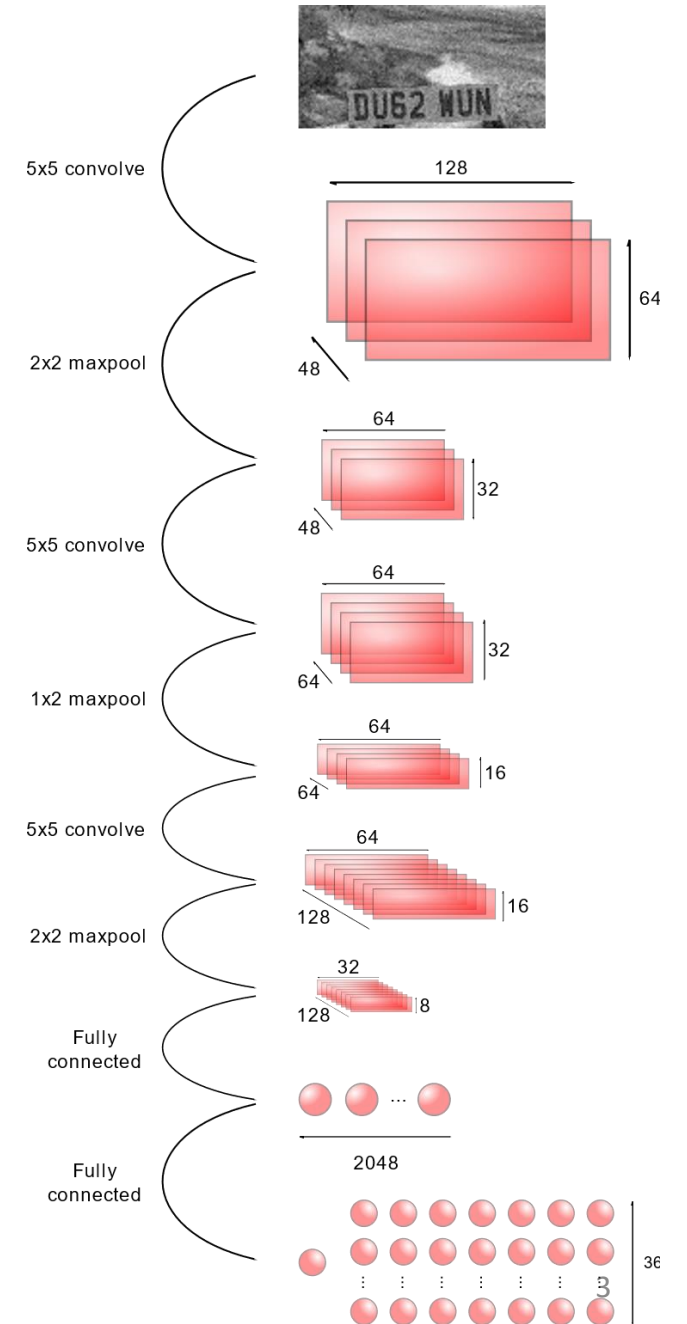
intelligent and interactive autonomous systems

Aims

- In this section, you will
 - Get familiar with how object detection in Turtlebot works,
 - Have your Turtlebot detect and recognize one-digit numbers.
- By the end of this week (2/7), we want you to
 - Plug the neural network we constructed & trained into your autonomy stack,
 - Have your “autonomous digit delivery”, which is just the autonomous food delivery but digits replace food, running.

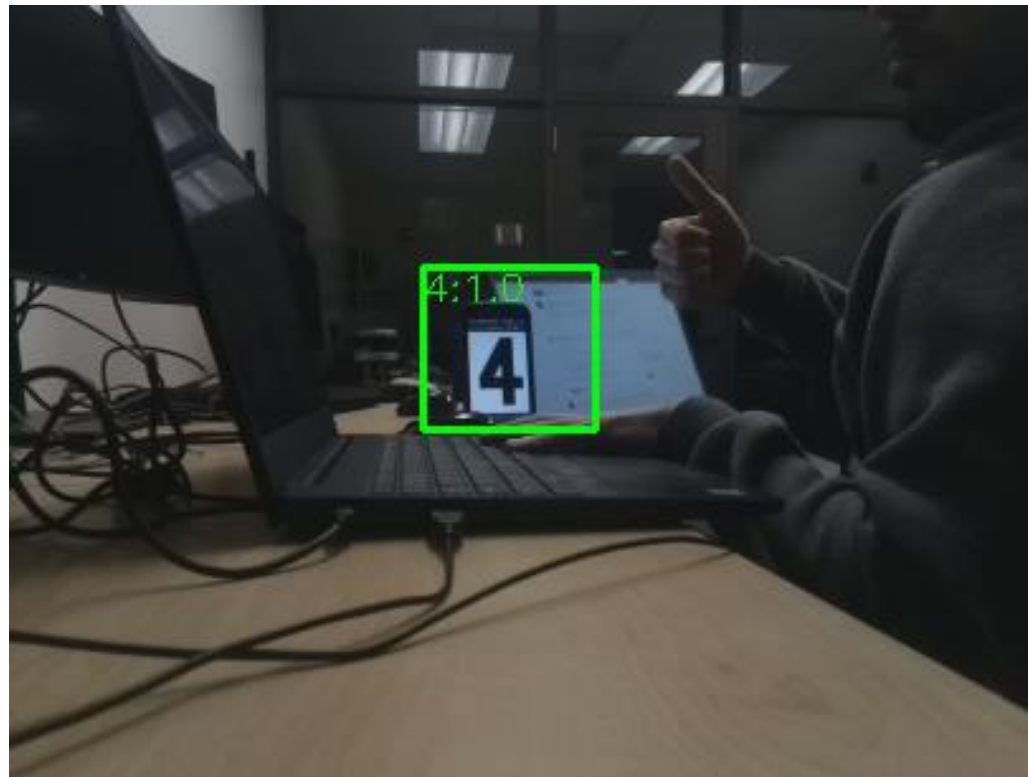
Section 2

- Submit your responses to the problems in the handout.



Section 2

- Make sure your `detector_viz.py` detect and recognize numbers.
 - Neural network was trained on a particular font type. Ask TAs to provide you with the images!



Section 2

- Show TAs that your team's robot can do autonomous “digit” delivery.

Don't forget to submit your responses on Gradescope!