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Interdepartmental Center SmartData@PoliTO

Three slides to talk a little about myself

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Politecnico di Torino

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Who I Am & My pre-PhD Period



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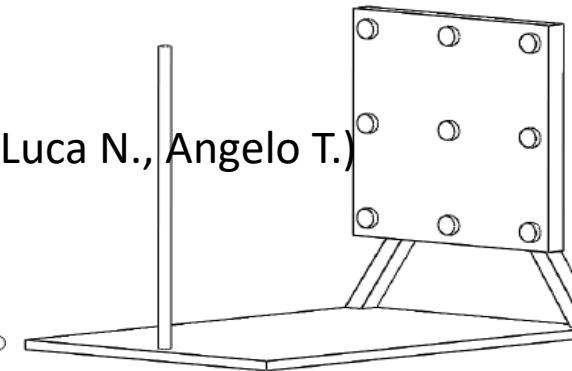
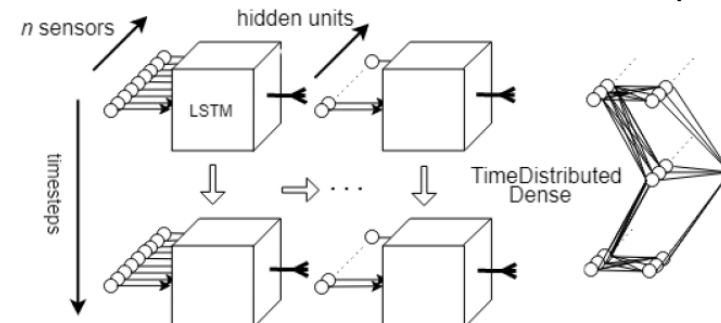
Master's Degree

I graduated in Mechatronics Engineering from Politecnico di Torino with a thesis named: "Use of Deep Learning for Automatic Low Cost Detection of Cracks in Tunnels"

↳ "Machine Learning algorithms and their embedded implementation for service robotics applications in precision agriculture"

Pre-PhD Period

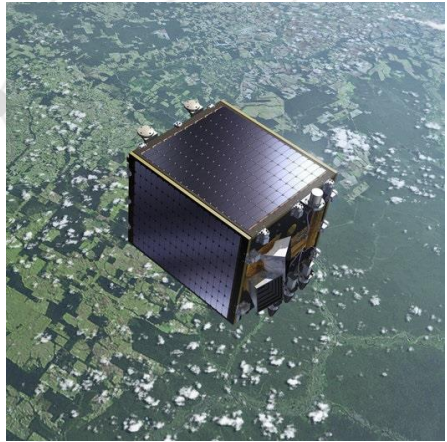
- Object Detection and Instance Segmentation for an autonomous manipulator for fruit harvesting (ft. Angelo T.)
- Incremental learning for object detection on embedded systems using machine generated bounding boxes (poster @ SmartData 'n' PIC4SeR annual meetings)
- Deep learning models for patterns recognition of ultrasonic cluster sensors waves (submitted @ ESANN 2019)
- **Bonus:** I've designed and built the new PIC4SeR website (ft. Luca N., Angelo T.)



My Current Projects



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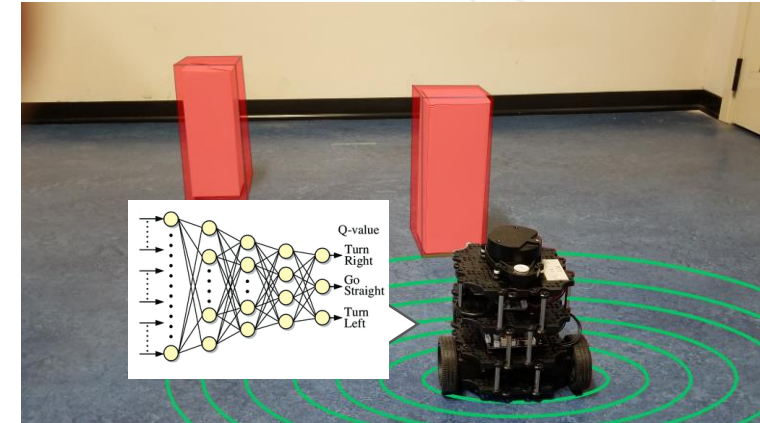
Multi-Image Super
Resolution



Crops Classification
with RNN



Autonomous
Navigation with ML
Visual Odometry



Obstacles Avoidance
with Deep-Q Learning

My Hobbies & Interests



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