

Luca Cazzola

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birth : 09/07/2001

Nationality : Italian

Gender : Male

EXPERIENCE

Junior Researcher | Fondazione Bruno Kessler | mar 2023 - jul 2023

Collaborating with the "Data science for health care" department I was able to make a study on state of the art approaches to Dimension Reduction, analyzing strengths and weaknesses of both novel and traditional techniques on hard cases such as the gene-expression analysis.

PROJECTS

Robotic manipulator | mar 2023 - jun 2023

From the object detection and pose estimation of rigid objects to evaluating the dynamics and trajectories of a 6-DOF UR5 manipulator in order to achieve automatic pick and place.

TTA : Test Time Adaptation | apr 2024 - ongoing

Implementation of a TTA solution to increase image classification accuracy without re-training a model.

CUDA programming | apr 2024 - ongoing

From analyzing a simple case study such as the matrix transposition to exploiting GPU programming techniques to solve more challenging tasks.

Motion capturing | apr 2024 - ongoing

Experiment about manipulating and correcting motion capture data of an optical tracking system.

EDUCATION

Master's Degree in Artificial Intelligence Systems

University of Trento, Italy | sep 2023 - ongoing

Bachelor's in Computer Science

University of Trento, Italy | sep 2020 - Jul 2023

SKILLS

AI & computer science

Machine learning
Deep learning
Computer vision
Artificial data gen.
GPU programming

Programming languages

C / C++
Python

Frameworks

Pytorch
OpenCV
ROS
CUDA

Other softwares

Blender