

Gianluca Scarpellini

COMPUTER VISION · DEEP LEARNING ENGINEER

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Education

Università degli studi di Milano - Bicocca

B.S. IN COMPUTER SCIENCE (110L/110)

M.S. IN COMPUTER SCIENCE (GPA 29.33)

Milano, Italy

2015 - 2018

2018 - 2020

Experience

Italian Institute of Technology

VISITING SCIENTIST @ PAVIS

- Event-based machine vision

Genova, Italy

Mar 2020 -

ARGO Vision

DL RESEARCH INTERN

- Aerial Semantic segmentation (Keras)
- Image classification in smart parking field (Keras)
- Plate Detection & OCR (Keras, Darknet)

Milano, Italy

May 2019 - Jan 2020

Flash Delivery

BACK-END DEVELOPER

- Server developing (ASP.NET, Node.JS)
- Database maintenance (SQLServer, MongoDB)

Bergamo, Italy

Jun 2017 - Sep 2019

Projects

On road object detection from RGB and LIDAR data [github](#)

B.S. THESIS — PYTHON

- Generate RGBD from RGB and LIDAR data
- Object detection & recognition models (Pytorch, Darknet)
- Benchmark dataset (KITTI Benchmark, Microsoft COCO)

Image and Vision Lab, Unimib

Feb 2018 - Jul 2018

Chess Detection [github](#)

UNIVERSITY PROJECT — MATLAB

- Chessboard detection and geometry perspection correction (Image Processing Toolkit)
- Chessboard lines identification (Computer Vision Toolkit) and chess pieces classification (Deep Learning Toolkit)

Unimib

Feb 2018

Insertion Matcher [github](#)

UNIVERSITY PROJECT — PYTHON

- Linking product insertions based on title only
- Models with state of the art performance (Pytorch, PyGPGO)
- >86% F1-score on Gold Standard

Unimib

Jan 2020

Fashion Answer [github](#)

UNIVERSITY PROJECT — PYTHON

- Segmentation and classification of fashion products (Pytorch)
- Image retrieval (Sklearn)

Unimib

Feb 2020

Skills

Computer skills and frameworks

PROFICIENCY IN

- Python (*OpenCV, Tensorflow, Pytorch, Keras, Scikit-learn*)
- Matlab (*Matlab Computer Vision toolkit, Image Processing Toolkit*)
- C++ (*OpenCV, Event-based vision SDKs*)

Languages

PROFICIENCY IN

- Italian — Mother tongue
- English — Business fluent