

Gianluca Scarpellini

COMPUTER VISION · DEEP LEARNING RESEARCHER

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Education

Università degli studi di Milano - Bicocca

Milano, Italy

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

2015 - 2018

M.S. IN COMPUTER SCIENCE

2018 -

Experience

ARGO Vision

Milano, Italy

DL RESEARCH INTERN

May 2019 - Jan 2020

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

Flash Delivery

Bergamo, Italy

BACK-END DEVELOPER

Jun 2017 - Sep 2019

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

BergamoPost

Bergamo, Italy

FREELANCE JOURNALIST

Sep 2016 - Sep 2017

- High communication and synthesis skills

Projects

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

Image and Vision Lab, Unimib

B.S. THESIS — PYTHON

Feb 2018 - Jul 2018

- Generate RGBD from RGB and LIDAR data
- Object detection & recognition models (Pytorch, Darknet)
- Benchmark dataset (Kitti BenchmarkS Suite)

Chess Detection [github](#)

Unimib

UNIVERSITY PROJECT — MATLAB

Jan 2018

- Generating FEN strings from images containing a chessboard
- Chessboard detection and geometry perspection correction (Image Processing Toolkit)
- Chessboard lines identification (Computer Vision Toolkit)
- Chess pieces classification (Deep Learning Toolkit)

Insertion Matcher [github](#)

Unimib

UNIVERSITY PROJECT — PYTHON

Jan 2020

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

Skills

Computer skills and frameworks

PROFICIENCY IN

- Python (*OpenCV, Tensorflow, Pytorch, Keras, Scikit-learn*)
- Matlab (*Matlab Computer Vision toolkit, Image Processing Toolkit*)
- Node.js (*Express, Mongoose*)
- .NET (*C#, SQLServer, WCF*)

Languages

PROFICIENCY IN

- **Italian** — Mother tongue
- **English** — Business fluent