



Curriculum Vitae

PERSONAL INFORMATION

Surname	Leveni
Name	Filippo
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Skype	Filippo Leveni

Nationality	Italian
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Date of birth	3 August 1994
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Education and training

Date (from – to)	November 2019 – present
Name and type of organisation providing education and training	Politecnico di Milano, University
Duration of the program of study	-
Principal subjects/occupational skills covered	Computer Science and Engineering
Title of qualification awarded	Ph.D. degree
Final mark obtained	-

Date (from – to)	October 2016 – December 2018
Name and type of organisation providing education and training	Politecnico di Milano, University
Duration of the program of study	2 years
Principal subjects/occupational skills covered	Computer Science and Engineering
Title of qualification awarded	Master's degree
Final mark obtained	110 cum laude/110

Date (from – to)	October 2013 – September 2016
Name and type of organisation providing education and training	Politecnico di Milano, University
Duration of the program of study	3 years
Principal subjects/occupational skills covered	Ingegneria Informatica
Title of qualification awarded	Bachelor's degree
Final mark obtained	109/110

Date (from – to)	September 2008 - July 2013
Name and type of organisation providing education and training	Martino Bassi, ITC
Duration of the program of study	5 years
Principal subjects/occupational skills covered	Ragioneria
Title of qualification awarded	High school diploma
Final mark obtained	73/100

graduation thesis

Title	Non-planar Object Detection and Identification by Features Matching and Triangulation Growth
Language	English
Supervisor	Giacomo Boracchi, Ph.D.
Thesis Summary	The research activity concerns the study and development of an algorithm for the analysis of a single image and the detection of all the instances of a given target in there. Our solution, based on computer vision features (e.g., SIFT, SURF, FREAK), enables object detection without having to train a model and, in contrast to deep learning methods, does not require annotated images but just a single template per object to be detected. In particular we addressed cases where deformations between the template and each object in the scene can not be described by an homography, thus that requires alternative priors to cluster matches corresponding to each instance. In particular our algorithm enforces local regularity priors for matched key point location, orientation and scale and uses them to identify correct matches among key points of the image and the target through an iterative procedure that grows a triangulation of matched keypoints on each object in the scene.

certifications

Certifications of language knowledge	TOEIC 19 August 2016 760/990
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Work experience, stages, studies abroad

Date (from – to)	09 September 2019 – 13 September 2019
Name and address of firm/university	Università degli Studi di Genova, Via Balbi 5, 16126 Genova.
Type of business or sector	Mathematics, Machine Learning
Type of employment	Summer School
Main activities and responsibilities	Workshop consisting of three courses on applied harmonic analysis and machine learning. Name of the event: Summer School on Applied Harmonic Analysis and Machine Learning. Address of the event: Via Dodecaneso 35, 16126 Genova.

Date (from – to)	22 July 2019 – 26 July 2019
Name and address of firm/university	Institute for Research Development, Training and Advice, Avenue Hippocrate 16, 1932 Sint-Stevens-Woluwe, Belgium.
Type of business or sector	Data Science
Type of employment	Summer School
Main activities and responsibilities	Research training event with a global scope aiming at updating participants about the most recent advances in the critical and fast developing area of deep learning. This is a branch of artificial intelligence covering a spectrum of current exciting machine learning research and industrial innovation that provides more efficient algorithms to deal with large-scale data in neurosciences, computer vision, speech recognition, language processing, human-computer interaction, drug discovery, biomedical informatics, healthcare, recommender systems, learning theory, robotics, games, etc. Name of the event: 3rd International Summer School on Deep Learning. Address of the event: Modlinska 6D, 03-216 Warsaw (Poland).

Date (from – to)	01 February 2019 – 31 October 2019
Name and address of firm/university	Politecnico di Milano, Piazza Leonardo da Vinci 32, 20158 Milano.
Type of business or sector	Data Science
Type of employment	Assegnista di ricerca
Main activities and responsibilities	Research activity concerning the design of algorithms for detecting anomalies in heterogeneous and high-dimensional data. These algorithms aim to automatically identify malicious web banking sessions that could be responsible for bank fraud. This project is supervised by Giacomo Boracchi and by Prof. Cesare Alippi, both from Politecnico di Milano.

Personal skills and competences

Acquired in the course of life and career but not necessarily evidenced by formal certificates and diplomas.

Mother tongue

Italian

Other language(s)

English

reading

good

writing

good

speaking

good

French

reading

elementary

writing

elementary

Social skills and competences

Living and working with other people, in multicultural environments, in positions where communication is important and situations where teamwork is essential (e.g. Culture and sports), etc.

I am very friendly and open-minded because since February 2019 I work in an international environment, the Politecnico di Milano, and I am very happy to exchange opinions with my colleagues. The research environment is surely dynamic and communication is fundamental to continuously learn and to achieve the goals that allow humanity to progress.

Technical skills and competences

With computers, specific kinds of equipment, machinery, etc.

Operating Systems:

- Windows, Linux (Ubuntu)

Programming languages:

- Python: good
- Matlab: good
- C++: good
- Java: good
- C: good

Query languages:

- SQL: good