

# CURRICULUM VITAE

## PERSONAL INFORMATION

Name	<b>ZUNINO ANDREA</b>
Home address	CORSO ITALIA 27 , 15076, OVADA (AL)
Telephone	+393388902281
E-mail	<a href="mailto:andrea.zunino89@gmail.com">andrea.zunino89@gmail.com</a>
Date and place of birth	OVADA – 05/12/1989

## WORK EXPERIENCE

- Dates (from – to) **December 2017 - Now**
  - Title of qualification awarded Collaborator, acting as Post Doc
  - Name and type of organization providing education and training Istituto Italiano di Tecnologia (IIT), **PAVIS** department
  - Main activities and responsibilities Deep learning algorithms for fine-grained classification and localization of human activities in video sequences
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- Dates (from – to) **May 2014 – October 2014**
  - Name of the project manager Vittorio Murino, department director: Pattern Analysis and Computer Vision (**PAVIS**)
  - Type of business or sector Research center: Istituto Italiano di Tecnologia (IIT), **PAVIS** department
  - Occupation or position held Internship
  - Main activities and responsibilities Software developer in Matlab, Labview, C++ for audio - video tracking.  
*The work is based on a scientific project related to:  
"Study, implementation and experimental verification of a tracking algorithm based on acoustic-video images"*

## EDUCATION AND TRAINING

- Dates (from – to) **November 2014 – November 2017**
- Title of qualification awarded PhD in Science and Technology for Electronic and Telecommunication Engineering
- Curriculum in *Computational vision, automatic recognition and learning*
- Name and type of organization providing education and training Istituto Italiano di Tecnologia (IIT), **PAVIS** department
  
- Dates (from – to) **November 2016 – May 2017**
- Title of qualification awarded PhD Student visiting period at Boston University (USA)
- Main activities and responsibilities The project is related to deep learning algorithms for classification and localization of human activities in video sequences where the algorithms exploit, fine-grained video representations and language models
  
  
- Dates (from - to) **September 2011 - March 2014**
- Title of qualification awarded **Master degree in Multimedia Signal Processing and Telecommunication Networks (MSPTN)**
- Name and type of organization providing education and training University of Genoa – Engineering
- Vote 110/110 cum laude
- Thesis title Tracking of sound sources through acoustic camera and spectral signature
- Thesis abstract *The thesis shows the work on the study and testing of tracking algorithms on audio / video sequences acquired by means of a device in which are integrated a video camera and an acoustic camera.*  
Thesis realized through Matlab and Labview, at the Istituto Italiano di Tecnologia (IIT), Pavis department
  
  
- Dates (from – to) **September 2008 - December 2011**
- Title of qualification awarded **Degree in Telecommunications Engineering**
- Name and type of organization providing education and training University of Genoa – Engineering
- Vote 110/110 cum laude
- Thesis title Study and development of methods and metrics for the evaluation of multi-camera and multi-target video algorithms
- Thesis abstract *The thesis proposes the development of metrics suitable for the evaluation of algorithms used in the field of Computer Vision, for the estimation of trajectories of people observed by means of cameras installed in different positions, within a less crowded environment and a more crowded one.*  
Thesis results realized with Matlab

- Dates (from – to)
- Title of qualification awarded
- Name and type of organization providing education and training
- Vote

**September 2003 - June 2008**

**High school diploma**

Science High School "B. Pascal" – Ovada (AL)

92/100

**PERSONAL SKILLS AND COMPETENCES**

Mother tongue  
Other languages  
Self assessment  
*European level (\*)*

Italian  
English

Understanding				Speaking				Writing	
Listening		Reading		Spoken interact.		Spoken produc.		Writing produc.	
B2	Autonom.	B2	Autonom.	B2	Autonom.	B2	Autonom.	B2	Autonom.

(\*) *Common European Framework of Reference for Languages*

**TECHNICAL SKILLS AND COMPETENCES**

Academic knowledge in the field of ICT (Information and Communication Technologies): analog / digital signal processing, images, video and multimedia processing, telecommunications systems, networking and telematics. Good scientific and professional skills in the field of cyber security.  
Basic knowledge of the programming language: Labview, C ++  
Good knowledge of the programming language Matlab, Python  
Basic knowledge of deep learning framework: TensorFlow  
Good knowledge of deep learning framework: Caffe

**OTHER SKILLS AND COMPETENCES**

Football practice, at the amateur level

**DRIVING LICENCE**

B, car owner