

# Europass Curriculum Vitae



## Declaration of certification

The undersigned hereby **Masi iacopo**, aware of the penalties mentioned in Article. 76 of DPR 445/2000, Italian law, for the cases of falsification of documents and false statements,

### DECLARES

that the following scientific and professional curriculum vitae is true. He is aware that, pursuant to Legislative Decree 196/03, Italian law, the data provided will be treated with alternative statements by paper or computer according to the terms contained therein.

## Personal information

Surname(s) / First name(s)

Address(es)

Telephone(s)

Email(s)

Nationality(-ies)

Date of birth

Gender

**Masi iacopo**

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Mobile (+39) 339 76 66 347

iacopo.masi@gmail.com

Italian

September 6, 1983

Male



## Professional Experience

March 2010 - June 2010

Collaborates with the National Center of Excellence MICC and with the company **Zucchetti Centro Sistemi** for the development of a mobile robot path follower method based on visual feedback through multiple ceiling cameras. Video demo available at <http://vimeo.com/11499133>

November 2009 - Today

Wins a **research grant** from the title "**Active video-surveillance systems with robotic Pan-Tilt-Zoom camera**" with the National Center of Excellence MICC - Multimedia Integration and Communication Center (University of Florence) in collaboration with the laboratory of **Thales Italia s.p.a.** Demonstration about Experimental Results:

- Lifelong PTZ Camera Calibration at <http://vimeo.com/12949079>
- Scale Invariant Multi-Target Tracking at <http://vimeo.com/12947583>
- Person Detection using Context with a PTZ Camera at <http://vimeo.com/14507922>

March 2007 - July 2007

Collaborates with the Laboratory of Telecommunication and Networks LaRT, University of Florence and with the company AirSpot s.r.l. to develop **AirNMSa** Network Management System for embedded devices based on ARM architecture. In the project it was developed both the back-end via SNMP and the front-end using the MVC framework with wxWidgets libraries.

October 2005 - Today

Webmaster and consultant of "bed and breakfast" EuroHome signa - [www.eurohomesigna.it](http://www.eurohomesigna.it)

<p style="text-align: center;"><b>Awards</b></p> <p>March 2010</p>	<p><b>Winner of “Renato Mariani 2010” award</b> as best student in computer engineering. “Renato Mariani 2010 award” is organized by AEIT (Italian Federation of Electrical, Electronic, Automation and Information and Communication Technology) and aims to recognize the merit and commitment to the study of a new graduate student.</p>
<p style="text-align: center;"><b>Publications</b></p>	<p>International Conferences and Workshops:</p> <ul style="list-style-type: none"> <li>– A. Del Bimbo, G. Lisanti, I. Masi, and F. Pernici, “<i>Person Detection using Temporal and Geometric Context with a Pan Tilt Zoom Camera</i>” In <b>Proc. of ICPR - Int’l Conference on Pattern Recognition</b>, Istanbul, Turkey, August 2010.</li> <li>– A. Del Bimbo, G. Lisanti, I. Masi, and F. Pernici, “<i>Device-Tagged Feature-based Localization and Mapping of Wide Areas with a PTZ Camera</i>”, In <b>Proc. of CVPR Int’l Workshop on Socially Intelligent Surveillance and Monitoring (SISM)</b>, San Francisco, United States, August 2010.</li> <li>– A. Del Bimbo, F. Dini, G. Lisanti, I. Masi, and F. Pernici, “<i>3D Multiple Target Tracking and Face Pose Estimation with a Rotating and Zooming Camera</i>”, <b>Demo In European Conference on Computer Vision (ECCV)</b>, Heraklion, Crete, Greece, 2010.</li> </ul> <p>External Reviewer for the following International Conferences and Workshops:</p> <ul style="list-style-type: none"> <li>– WIAMIS · Workshop on Image Analysis for Multimedia Interactive Services</li> <li>– ICME · IEEE International Conference on Multimedia e Expo</li> <li>– ICPR · IEEE International Conference on Pattern Recognition</li> <li>– ICIP · IEEE International Conference on Image Processing</li> </ul>
<p style="text-align: center;"><b>Education</b></p> <p>July 2010</p> <p>February 2010</p> <p>April 2006 - July 2009</p> <p>July 2008</p>	<p>International Computer Vision Summer School (<b>ICVSS-2010</b>) at Sicli (Sicily). See the poster presented at <a href="http://www.iacopomasi.net/content/ICVSS2010_Masi.pdf">http://www.iacopomasi.net/content/ICVSS2010_Masi.pdf</a></p> <p>Engineer enabled with vote <b>210/240</b></p> <p>Master of Science in <b>Computer Engineering</b> obtained at the University of Florence with <b>110/110 cum laude</b> by discussing thesis “<b>Feature-based Localization and Mapping of Wide Areas with a PTZ camera</b>”. The topics of research and implementation have been held at the National Center of Excellence MICC - Multimedia Integration and Communication Center. The aim of this research is the intelligent video-surveillance: develop a system for robust multi target tracking with a zooming camera with the possibility to increase image quality over zoom: in particular we have developed an algorithm similar to the problem of SLAM for the maintenance of a base-set of visual landmarks. Research topics are Tracking, Computer Vision and Patter Recognition. The implementation was realized in C++ with OpenCV libraries, both under Windows and GNU/Linux.</p> <p>Research on the <b>text retrieval</b> for automated extraction of bibliographic references to journal articles in PDF format and connection of the respective items with resources found on the web page. The project homepage is at Google Code <a href="http://code.google.com/p/pdfstore/">http://code.google.com/p/pdfstore/</a>.</p>

April 2008	Releases the theme “ <b>OranSun</b> ” on the Ubuntu Wiki for the <b>Ubuntu “Hardy Heron” 10.4 LTS</b> , providing automatic script to setup up the theme through a pre-build package into a repository. For more details see <a href="https://wiki.ubuntu.com/Artwork/Incoming/Hardy/OranSun">https://wiki.ubuntu.com/Artwork/Incoming/Hardy/OranSun</a>
July 2007	Research on <b>visual tracking</b> , exploiting Kalman filter and Particle filter (Condensation) in video sequences with stationary camera. Project page can be found on Google Code <a href="http://code.google.com/p/video-tracker/">http://code.google.com/p/video-tracker/</a> .
September 2006	Inserts the curriculum telematics systems, which allows consideration of addressing the seminar entitled “Copyleft and free software” held by Lawyer Marina Da Bormida ed produces the report “ <b>Copyleft and Opensource Software: a legal analysis and a technical deepening</b> ”
September 2002 - April 2006	Bachelor of Science in <b>Computer Engineering</b> obtained at the University of Florence with <b>107/110</b> discussing a thesis on “ <b>Design and Development of an agent platform for wireless Mesh-AP</b> ”. At LaRT we developed an extensible agent platform in the Manager/Agent paradigm. Communication is performed through a middleware layer based on XML and UDP; the software was designed with Design Patterns and then implemented in C/C++ under GNU/Linux.
October 2005	Participation in the conference “ <b>Net &amp; System Security 2005</b> ” in collaboration with the Cultural Association @ Computer System and the Department of Information Engineering, University of Pisa
September 1997 - July 2002	Diploma <b>Liceo Scientifico</b> at the institute “Il Pontormo” di Empoli (Florence), Section P.N.I. (National Plan for Information Technology) with vote <b>100/100</b>
July 97/98/99/2000	English Summer School in England respectively in the cities of Richmond (97) Oxford (98), Hastings (99) and Bath (2000), obtaining the “Trinity College” Certificate for English Language.

## Technical skills

Design and Development about Information and Communication Technologies.

- In particular, all projects covered in the courses of study and work opportunities are available to the following page: <http://www.iacopomasi.net/curriculum-vitae/>
- My LinkedIn profile is available through <http://it.linkedin.com/in/iacopomasi>

Good knowledge of Java technology, **J2EE**, Servlets, Webservices

Theory and practices of **object-oriented programming**, applied to **C/C++**, **Java** and **Python**. Scripting in Bash and Matlab.

Ability to understand scientific articles in English (major fields are **Computer Vision and Pattern Recognition**) in order to improve development activities, integrating new topics provided by research and innovation.

Webmasters of sites with high accessibility and usability to the standard required by the W3C, using markup languages such as XML, XHTML, CSS and using the server-side language PHP. Good knowledge about the open source publishing system **Wordpress**.

Theory of relational databases with application in SQL, particularly MySQL.

Excellent knowledge and application of the philosophy of Free Software and the production model type open source software. Good knowledge of the **legal system of software licenses**, including license type **copyleft**.

## Languages

Mother tongue(s)

*Self-assessment  
European level<sup>(\*)</sup>*

**English**

**Italian**

Understanding				Speaking		Writing	
Listening		Reading		Spoken interaction	Spoken production		
B1	Independent user	C2	Proficient user	B2	Independent user	B2	Independent user
						C1	Proficient user

<sup>(\*)</sup> Common European Framework of Reference (CEF) level

## Generic Information

Status

Military Service

License

Activity

Unmarried

Exempted

Car , Motorcycle

- Basketball Player and Member in L&S basket TeamNova
- Ex-Member in the Ubuntu Linux Italian Community
- Blood donor at Fratres Lastra

Interested in  
Hobby

Basketball, *Open-Source* Software, Music

Ubuntu Community and Artwork, Philosophy, Body Building, Cinema