

Europass Curriculum Vitae



Declaration of certification

The undersigned **Iacopo Masi**, aware of the penalties mentioned in Article. 76 of D.P.R. 445/2000, Italian law, for the cases of falsification of documents and false statements,

DECLARES

that the following scientific and professional curriculum vitae is the 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

Via del Crocifisso 1 50058 Signa (FI)

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 s.p.a.** for the development of a mobile robot path follower method based on visual servoing 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 **AirNMS**, a 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 a custom MVC Python framework with wxWidgets libraries.

October 2005 - Today

Webmaster and consultant of "bed and breakfast" EuroHome signa - www.eurohomesigna.it

<p style="text-align: center;">Awards</p> <p>October 2010</p> <p>March 2010</p>	<p>Certificate of Appreciation for the outstanding job in setting up all the technical facilities at ACM Multimedia 2010, Firenze. Released by the General Chairs: Prof. Shih-Fu Chang (Columbia Univ., USA) and Prof. Alberto Del Bimbo (Univ. of Florence, I)</p> <p>Winner of “Renato Mariani 2010” award 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;">Publications</p>	<p>International Conferences and Workshops:</p> <ul style="list-style-type: none"> - 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 Proc. of ICPR - Int’I Conference on Pattern Recognition, Istanbul, Turkey, August 2010. - 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 Proc. of CVPR Int’I Workshop on Socially Intelligent Surveillance and Monitoring (SISM), San Francisco, United States, August 2010. - 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>”, Demo In European Conference on Computer Vision (ECCV), Heraklion, Crete, Greece, 2010. <p>External Reviewer for the following International Conferences, Journals and Workshops:</p> <ul style="list-style-type: none"> - WIAMIS · Workshop on Image Analysis for Multimedia Interactive Services - ICME · IEEE International Conference on Multimedia e Expo - ICPR · IEEE International Conference on Pattern Recognition - ICIP · IEEE International Conference on Image Processing - PAA · International Journal Pattern Analysis & Applications
<p style="text-align: center;">Education</p> <p>July 2010</p> <p>February 2010</p>	<p>International Computer Vision Summer School (ICVSS-2010) at Sicli (Sicily). See the poster presented at http://www.iacopomasi.net/content/ICVSS2010_Masi.pdf</p> <p>Engineer enabled with vote 210/240</p>

<p>April 2006 - July 2009</p> <p>July 2008</p> <p>April 2008</p> <p>July 2007</p> <p>September 2006</p> <p>September 2002 - April 2006</p> <p>October 2005</p> <p>September 1997 - July 2002</p> <p>July 97/98/99/2000</p>	<p>Master of Science¹ in Computer Engineering obtained at the University of Florence with vote 110/110 cum laude by discussing thesis “Feature-based Localization and Mapping of Wide Areas with a PTZ camera”. The topics of research and implementation have been held at the National Center of Excellence MICC - Multimedia Integration and Communication Center. The topic of this research is intelligent video-surveillance: robust MTT (Multi-Target Tracker) with a Zooming camera. 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 and PoCo-C++ libraries, both under Windows and GNU/Linux.</p> <p>Research on information retrieval (text) for automatic extraction of references from journal articles in PDF format. Then each reference is automatically linked with the respective item on the web using the Google API. Coded in python with Eclipse and PyDev. The project homepage is at Google Code http://code.google.com/p/pdfstore/.</p> <p>Releases the theme “OranSun” on the Ubuntu Wiki for the Ubuntu “Hardy Heron” 8.4 LTS, providing automatic script to setup up the theme through a pre-build package into a repository. For more details see https://wiki.ubuntu.com/Artwork/Incoming/Hardy/OranSun</p> <p>Research on visual tracking, exploiting Kalman filter and Particle filter (Condensation) in video sequences with stationary camera. Project page can be found on Google Code http://code.google.com/p/video-tracker/.</p> <p>Inserts in the curriculum a exam with a seminary entitled “Copyleft and free software” held by Lawyer Marina Da Bormida. Produces the report “Copyleft and Opensource Software: a legal analysis and a technical deepening”</p> <p>Bachelor of Science in Computer Engineering obtained at the University of Florence with vote 107/110 discussing a thesis on “Design and Development of an agent platform for Mesh-AP network”. We developed an extensible agent platform in the Manager/Agent paradigm at LaRT. 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.</p> <p>Participation at the conference “Net & System Security 2005” in collaboration with the Cultural Association @ Computer System and the Department of Information Engineering, University of Pisa</p> <p>Diploma Liceo Scientifico at the institute “Il Pontormo” di Empoli (Florence), Section P.N.I. (National Plan for Information Technology) with vote 100/100</p> <p>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.</p>
<p>Technical skills</p>	<p>Design and Development about Information and Communication Technologies.</p> <ul style="list-style-type: none"> - In particular, all projects covered in the courses of study and work opportunities are available at the following page: http://www.iacopomasi.net/curriculum-vitae/ - My LinkedIn profile is available through http://it.linkedin.com/in/iacopomasi

¹The list of exams is available upon request.

Professional attitude: Versatility, flexibility, precision, team-working, organization, responsibility.

Knowledge of *best practices* of Software Engineering and **Design Patterns** with application to software design in **UML**.

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.

Excellent knowledge of the build system based on free-software **GCC**, **Makefiles**, **Autotools** on UNIX systems. Good knowledge of the build system **Microsoft Visual Studio 2005/2008**.

Recently Frameworks Used: **OpenCV** C and C++ interface (*expert*), **PoCo-C++** (*fluent*), **wxWidget python bindings** (*basic*), **GNU Scientific Library** (*basic*), **JQuery** (*fluent*), **LaTeX** (*expert*), **LaTeX-Beamer** (*expert*)

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.

Webmaster 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 AJAX and dynamic effects in JS. 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 open source. Good knowledge of the **legal system of software licenses**, including license type **copyleft**.

Languages

Mother tongue(s)

*Self-assessment
European level^(*)*

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

^(*) Common European Framework of Reference (CEF) level

Generic Information

Status
Military Service
License

Unmarried
Exempted
Car (B) , Motorcycle (A)

Activity

- 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