

# Giovanni Mascellani

*Curriculum Vitae et Studiorum*

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**Date of birth** 22<sup>nd</sup> April 1990

**Nationality** Italian

**Gender** Male

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Mathematician, programmer and computer scientist, currently in last year of **PhD course in Mathematics in Scuola Normale Superiore**, Pisa, Italy, working on geometric analysis, geometric flows and PDE problems. Thesis advisors: Zindine Djadli (University Joseph Fourier of Grenoble, France) and Carlo Mantegazza (University Federico II of Naples, Italy). **Developer** for the **Debian Project**.

The Scuola Normale Superiore (<http://www.sns.it/>) is a very prestigious and selective Italian university institution based on the college model, consistently ranking worldwide among the top 10 universities in ARWU Per Capita Performance indicator in the last years.

The Debian Project (<http://www.debian.org/>) is an association of individuals working together to create a free operating system, based on the Linux kernel.

Although my main formation is based on mathematics and highly theoretical, I am passionate about technology and computer science. I have programming experience with C, C++, Python, Java and other major languages, especially in the Free Software/Open Source world, and good knowledge in Linux network and system administration. I am interested into applying these skills to telecommunications and system modelling.

I am involved in science popularization, teaching and communication, targeted at both schools' pupils and general public. I have served in the Boards of Directors for many associations, coordinating the work of the other members in order to promote the association's goals.

## Experience

**03/2012–09/2012** Member of the Hosting Scientific Committee for International Olympiad in Informatics 2012, held in Sirmione and Montichiari, Italy (<http://www.ioi2012.org/>)

**01/2012** → Organizer or tutor within many mathematics popularization events within association MaDE@DM (exhibits, seminars, courses, ... <http://madeatdm.phc.unipi.it/>)

**09/2011** → Main co-author for the CMS (Contest Management System) software for hosting computer programming contests, most notably used at International Olympiads in Informatics (<https://cms-dev.github.io/>)

**05/2010** → Developer for the Debian Project (<http://www.debian.org/>)

**07/2009–03/2010** Part-time collaboration as software engineer with eLabor s.c. (<http://www.elabor.biz/>)

## Education

**01/2015–02/2015** Visiting student at VisionLab, University of California Los Angeles (director: Stefano Soatto, <http://vision.ucla.edu/>), working on objects recognition problems in a team with other three

**18/10/2013** Master degree in Mathematics (University of Pisa, Italy), with a thesis entitled “*Fourth-order geometric flows and integral pinching of the curvature*” (advisors: Carlo Mantegazza, Scuola Normale Superiore, Pisa, Italy; and Zindine Djadli, University of Grenoble, France; score: 110/110 *cum laude*)

## Language skills

Language levels are self-assessed and expressed in the Common European Framework of References for Languages levels.

**Italian** Native speaker

**English** Fluent (written: C2, spoken: C1)

**French** Reasonable working knowledge (written: B2, spoken: B1)

**German** Scholastic (A2)

## Publications

Stefano Maggiolo, Giovanni Mascellani, Luca Wehrstedt. *CMS: a growing grading system*. Olympiads in Informatics **8** (2014), 123–131 [http://www.mii.lt/olympiads\\_in\\_informatics/files/volume8.pdf#page=125](http://www.mii.lt/olympiads_in_informatics/files/volume8.pdf#page=125)

Carlo Mantegazza, Giovanni Mascellani, Gennady Uraltsev. *On the Distributional Hessian of the Distance Function*. Pac. J. Math. **270** (2014), no. 1, 151–166 <http://msp.org/pjm/2014/270-1/p07.xhtml>

Stefano Maggiolo, Giovanni Mascellani. *Introducing CMS: A Contest Management System*. Olympiads in Informatics **6** (2012), 86–99 [http://www.mii.lt/olympiads\\_in\\_informatics/pdf/INF0L107.pdf](http://www.mii.lt/olympiads_in_informatics/pdf/INF0L107.pdf)

## Prizes

**16–23/08/2008** Bronze medal at International Olympiad in Informatics (IOI), held in Cairo, Egypt (<http://ioinformatics.org/locations/ioi08/>)

**15–22/08/2007** Silver medal at International Olympiad in Informatics (IOI), held in Zagreb, Croatia (<http://ioi2007.hsin.hr>)

*Autorizzo al trattamento dei miei dati personali ai sensi del D. Lgs. 196/2003 per finalità di ricerca, selezione e valutazione di personale.*