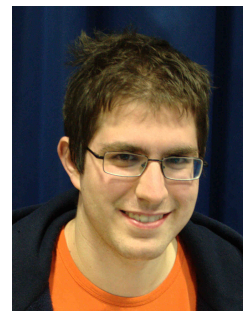


Curriculum vitae et studiorum

Giovanni Mascellani

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1 Personal information

First name: Giovanni

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Date of birth: April, 22nd 1990

Nationality: Italian

Gender: Male

2 Contact information

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Google+: <https://plus.google.com/111908416509887110919>

LinkedIn: <http://www.linkedin.com/profile/view?id=121941519>

3 Current positions

- PhD student (“allievo del corso di perfezionamento”) in Mathematics at Scuola Normale Superiore, Pisa, Italy (<http://www.sns.it/>).
- Developer for the Debian project (<http://www.debian.org/>).
- Part-time network and system administrator of the students’ computer network in Scuola Normale Superiore.

4 Past positions

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

5 Education

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: dott. Carlo Mantegazza, Scuola Normale Superiore, Pisa, Italy; and prof. Zindine Djadli, University of Grenoble, France; score: 110/110 *cum laude*).

02/2013–07/2013: Erasmus student at Institut Fourier, University of Grenoble, France, under the supervision of prof. Zindine Djadli, for preparing the master’s degree thesis.

07/05/2012: “Colloquio” (mandatory annual seminar) in Scuola Normale Superiore, entitled “*Le otto geometrie di Thurston*” (“*Thurston’s eight geometries*”, advisor: doct. Bruno Martelli).

22/07/2011: Bachelor’s degree in Mathematics (University of Pisa, Italy), with a thesis entitled “*The Hausdorff dimension of the boundary of the Mandelbrot set*” (advisor: prof. Marco Abate, University of Pisa; score: 110/110 *cum laude*).

09/2008: Passed the test to become ordinary student in Scuola Normale Superiore, Pisa.

06/2008: Final secondary school exam (“esame di stato”) in Liceo Scientifico “Ulisse Dini”, Pisa (score: 100/100).

6 Publications

- Carlo Mantegazza, Giovanni Mascellani, Gennady Uraltsev. *On the Distributional Hessian of the Distance Function*. Preprint 2013 on the arXiv.org server: <http://arxiv.org/abs/1303.1421>. Submitted to *Pac. J. Math.*
- 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/INFOL107.pdf.

7 Seminars and workshops

(only events of academical interest are considered in this section)

30/09/2013–04/10/2013: Attended the school in Geometric Analysis “*Geometric Analysis on Riemannian and singular metric spaces*” (Como, Italy).

28/02/2013–03/03/2013: Attended workshop “*Varietà reali e complesse: geometria, topologia e analisi armonica*” (Scuola Normale Superiore, Pisa, Italy).

11/2012–02/2013: Attended many “baby-geometers seminars” (informal geometry seminars organized and held by PhD or undergraduate students), University of Pisa, Italy.

15/01/2013: Gave a seminar in the “baby-geometers seminars” series, entitled “*La dimensione di Hausdorff del bordo dell’insieme di Mandelbrot*”, University of Pisa, Italy. (http://www.dm.unipi.it/cluster-pages/angella/doku.php?id=seminario_dei_baby-geometri_2012_2013)

8 Prizes

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

10/06/2008: Won a prize offered by Banca d’Italia for the result at Italian Olympiad in Informatics; the prize is the participation to an internship in IBM United Kingdom Ltd., Hursley, Winchester, United Kingdom.

04/2008: Won a gold medal at Italian Olympiad in Informatics (OII, Olimpiadi Italiane di Informatica), held in Pesaro and Fano, Italy (<http://olimpiadi-informatica.it/>).

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

05/2007: Won a gold medal at Italian Olympiad in Informatics (OII, Olimpiadi Italiane di Informatica), held in Bari, Italy (<http://olimpiadi-informatica.it/>).

9 Work experience

01/2012 →: Organizer or tutor within many mathematics popularization events (exhibits, seminars, courses, ...).

09/2011 →: Main co-author for the CMS (Contest Management System) software used during the International Olympiad in Informatics 2012, held in Sirmione and Montichiari, Italy (<https://github.com/cms-dev/cms>).

09/2009 →: Occasional collaboration as tutor to the training of the Italian team for International Olympiadi in Informatics.

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

09/2008: Two weeks internship in IBM United Kingdom Ltd., Hursley, Winchester, United Kingdom.

10 Interests

10.1 Academic interests

My current primary field of interest is Riemannian geometry, with particular consideration for geometric flows and topological results. Other fields of interest are differential topology and hyperbolic geometry.

10.2 Other interests

I'm interested in computer science, both from the theoretical and practical viewpoint. I have experience in software writing and system and network administration. I'm a free software advocate and collaborate with a few free software projects (most notably the Debian project, <http://www.debian.org>).

I also like to work in scientific and mathematics popularization. Together with other students and professors I organized some popularization events (exhibits, courses, seminar, ...), particularly with association MaDE@DM (<http://madeatdm.phc.unipi.it/>).

I like to sing and have participated for nearly 10 years as baritone or bass in a few amateur choirs, performing from Gregorian chant to modern music.

10.3 Other skills and experience

I've been treasurer for a few associations; performing these roles I've earned basic experience in maintaining relationships with local administrations and handling simple accounting and fiscal duties.

I have a type B Italian driving license.

11 Language skills

Italian: Mother tongue, excellent ability both in written and spoken interactions.

English: Very good ability in written interaction, good ability in spoken interaction.

French: Intermediate ability both in written and spoken interaction.

German: Basic ability both in written and spoken interactions.

Latin: Basic reading ability.