Stefano Aime

Curriculum Vitae

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Personal information

Date of birth	January 10, 1989.
Place of birth	Segrate MI, Italy.
Address	606 Rue du Triolet, 34090 Montpellier, France.
Cityzenship	Italian, EU.
Present position	PhD student at Université Montpellier 2, Equipe Matière Molle, Laboratoire Charles Coulomb (L2C), Place Eugène Bataillon, 34095 Montpellier cedex 5, France

Education

2012 - 2014 **Master degree ("Laurea Magistrale") in Condensed Matter Physics**,
Università degli Studi di Milano, Milan, Italy.

Final Score: 110/110 cum laude.

Final average grade per exam: 29.58/30 with 7/12 "special mentions".

Master thesis: *Dynamic Light Scattering study of stress-induced plasticity in colloidal solids*

Advisors: Prof. A. Vailati, Prof. L. Cipelletti.

Graduation date: April 02, 2014.

2008 - 2012 **Bachelor degree ("Laurea Triennale") in General Physics**,
Università degli Studi di Milano, Milan, Italy.

Final Score: 110/110 cum laude.

Final average grade per exam: 29.34/30 with 10/21 "special mentions".

Bachelor's thesis: *Optical microscopy study of the dynamics of thermosensitive colloids*

Advisors: Prof. A. Vailati, Dr. R. Cerbino.

Graduation date: February 21, 2012.

2003 - 2008 **Scientific High School degree**,
Liceo Scientifico Sacro Cuore, Milano MI, Italy.

Final Score: 100/100 cum laude.

High School's thesis: *Spider web physics: from materials to geometrical structure*

Scholarships and awards

2012 - 2013 Award assigned by cultural association "Famiglia Legnanese" to the best Italian College students, Legnano MI, Italy (earned both years).

2009 - 2010 *Incentives for students enrolled in scientific undergraduate courses*: scholarship assigned by the University of Milan to the best freshmen and sophomores (earned both years).

2008 Scholarship awarded for high school diploma, given by Italian Ministry of Education to the best Italian High School Students.

2008 2nd place in *Certamen fisico-matematico "Fabiana d'Arpa"*, physical and mathematical competition for the best Italian High School students (Maglie (LE), Italy). Scholarship awarded.

2007 - 2008 Research work on spider web physics awarded at scientific exhibition "I Giovani e le Scienze 2008". Partecipation to 7th European Science Exhibition (ESE) organized by Milset in Budapest (Hungary).

Languages

Italian **Native**.

English **Fluent**, Cambridge FCE exam: grade A, June 2007.

French **Basic**, level A2, March 2014.

Computer Skills

Operating systems Mac OS, Linux, Windows.

Software LaTex, Visual Studio, MS Office, Adobe CS4, MAXON Cinema 4D, Origin.

Programming languages C/C++, C♯, Python, NI LabVIEW, Visual Basic, VB.NET, Mathematica.

Other experiences

Extracurricular Activities

March 2013 at Bethlehem University (Holy Land) as a scientific consultant: responsible for realization, setup and exposition of a scientific exhibition on Milky Way.

2008 - 2011 Member of the *Euresis* association for the promotion of scientific endeavor (`www.euresis.org`). I contributed to the preparation of scientific outreach exhibitions presented at the *Rimini Meeting*, a one-week cultural event visited by more than 800.000 people every year.

- Is the atom really indivisible? Questions and certainties in science.
- From one to infinity: at the heart of mathematics.
- Why so many lights? Milky Way between science, history and art.

2006-2009 Volunteer at the center for study support *Portofranco* in Milan (`www.portofranco.org`). The center caters typically for foreign students with difficulties in integration.

June 2007 two-weeks summer school at "Politecnico di Milano" University on Material Science topics.

Work Experiences

2011 - 2013 Private tutoring sessions for "Politecnico di Milano" College Students, employed at Camplus, Milan, Italy (Mathematical Analysis, Linear Algebra, Mechanics, Thermodynamics, Electromagnetism and Computer Programming)

2007 - 2010 Long lasting experience in private tutoring sessions for high school students (Mathematics and Physics).

2009 - 2013 Shop assistant and book orders; CUSL bookstore, Milan, Italy (`www.cusl.it`).

2012 Employed as IT consultant in ODL coatings S.r.l. (`www.odlcoating.com`). I collaborated on the realization of a software for production process optimization and warehouse management

2005 - 2009 Working as a programmer in 4EDU S.r.l. (`www.4edu.it`), developing educational software.

2007 Employed as a programmer in FASPAR s.p.a. (`www.faspar.it`), developing a software for management of the address book of clients contacts.

Hobbies

Alpinism, rock climbing, ice climbing, alpine skiing and ski touring, Among the most famous mountains, I reached the top of Mont Blanc (4810m, France) two times, both from French (alpinistic) and Italian (rock and ice climbing) path.

Popular and alpine choirs, I sing in "Coro Alpino Capitano Grandi" (`www.corocapitanograndi.it`), of which I have been the director from 2011 to 2013. We play popular songs of our mountains' tradition. With this chorus I held concerts in many cities of Italy (e.g. Milano, Perugia, Trento, Udine) and Europe (e.g. Vilnius (Lietuva), Barcelona (Spain)).

Classical music, I have attended piano lessons for 13 years. I have taken the "Teoria and Solfeggio" exam in 2006..

Sports, I have played football for 10 years and basketball for 2 years; I have practiced swimming for 4 years. I like biking and light athletics as well, in particular long jump (personal record: 5.90m) and 800 meters (personal record: 2'12").

References

Prof. Luca Cipelletti,
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