

Marco Cioffi

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- Education** **MASSACHUSETTS INSTITUTE OF TECHNOLOGY** **Cambridge, MA**
Visiting student at Sloan School of Management, October 2006 to present
Working at the Center for Collective Intelligence. Using Artificial Intelligence (AI) to create a worldwide collaborative tool that enables discussions about Climate Change. Research done to support my master degree thesis.
- POLITECNICO DI MILANO, POLITECNICO DI TORINO** **Italy**
M. S. (2 years) in Computer Engineering, expected graduation July 2007
Pursuing a double degree with major in AI and Robotics, GPA: 3.9/4.0. Attended two schools of excellence recognized by the Italian Minister of the Education (MIUR):
Alta Scuola Politecnica (Milan and Turin, Italy), selected from the top 2.5% of students enrolled in a master degree of Politecnico di Milano and Politecnico di Torino. Business courses followed: Innovation and society, Actors and decisions in projects, Problem setting in complex systems. Three papers published in the following fields: organizational studies, innovation in public systems, social network analysis.
Collegio di Miano (Milan, Italy), selected from best students enrolled in Milan universities. Followed interdisciplinary courses in Nanotechnology, Brain and theories of mind, History of European music, Liberalism in Italy. Meetings with national and international leaders (e.g. CEO of IBM, Microsoft, Major of Milan).
- UNIVERSITY OF BOLOGNA** **Bologna, Italy**
B. S. (3 years) in Computer Engineering, Final mark 110/110 with honours (summa cum laude), July 2004
GPA: 3.9/4.0. Two papers published respectively in an international journal and in a technical report. Title of the thesis: Melting agent infrastructures: from foundation to implementation. Supervisor: Prof. Andrea Omicini.
- Experience** **JOINT RESEARCH PROJECT**
Alta Scuola Politecnica, FIAT Research and Telecom Italia Lab (October 2005 – October 2007) **Milan, Italy**
Working as team leader of the *Ad-Hoc Inter-Vehicular Communication* project. Analysis, feasibility study and project of a smart device that helps a motorists while driving through the city. Collaboration **MIT SenseABLE City**.
- INDUSTRY INTERNSHIPS**
- SIEMENS CORPORATE TECHNOLOGY (November 2005 – February 2006)** **Munich, Germany**
Worked inside the *Intelligent Autonomous Systems* group, supervisor Dr. Michael Berger. Analysis, design and implementation of a technological infrastructure for future health care systems. Combined state of the art of rule engine and planning technologies. Software then used to acquire new customers.
- BRITISH TELECOM (August 2005 – November 2005)** **Ipswich, United Kingdom**
Worked inside the *Intelligent Enterprise group*, supervisor Dr. Simon Thompson. Extended existing agent-oriented infrastructure for dynamic services composition and coordination to support the semantic-web (OWL, OWL-S and RDF). Demonstrated new functionalities prototyping a next-generation user-centric portal for planning travels. Two papers published respectively in a journal and in an international conference.
- TEACHING**
- POLITECNICO DI MILANO (March 2005 – July 2005)** **Milan, Italy**
Assistant Lecturer for the course *Laboratory of Software Engineering*. Taught software engineering to second year's students and evaluated their projects. Experience in bureaucracy process, funds provided by the European Community.
- BLAISE PASCAL COMPUTER SCIENCE HIGH SCHOOL (January 2004 – April 2004)** **Cesena, Italy**
Invited and paid lecturer for the course *Programming and design with LEGO Mindstorms, an introduction to robotics*. Designed and taught three three-hours course to introduce complex arguments (robotics and AI) to high school students. Students learned advanced topics such as motion and voice recognition, wireless communication and industrial AI techniques. An article in the local newspaper remarked about the impact of the course. After the course, invited to present a general audience seminar *The Role of Training in Technology Innovation*.
- UNIVERSITY RESEARCH PROJECTS**
- UNIVERSITY OF BOLOGNA (April 2004 – July 2004)** **Cesena, Italy**
Undergraduate research project, supervisor Prof. Andrea Omicini. Integrated two infrastructures in the distributed AI field (TucSON and JADE). Team working with industrial members such as Dr. Giovanni Rimassa of Whitestein Technology. Results submitted to the JADE board committee.
- UNIVERSITY OF BOLOGNA (February 2004 – May 2004)** **Cesena, Italy**
Paid project *Official web-guide for engineering students*. Analysis of the stakeholders and of the available technologies (XML, XSLT, Cocoon). Project and implementation a real-world system. The highly customizable tool improved the experience and saved time of both faculties and students.

Experience (continue)	<p>UNIVERSITY OF BOLOGNA (July 2003 – September 2003) Cesena, Italy Undergraduate research paid project <i>Analysis of technologies tied to business interoperability: Infrastructures, components and models</i>. Identified key technologies and wrote a report to help a broader team of industrial and academic stakeholders to take decisions about the use of technologies in a European project.</p> <p>UNIVERSITY OF BOLOGNA (July 2002 – September 2002) Cesena, Italy Undergraduate research paid project <i>Informative support to the production of a process manual for quality assurance</i>. Analysis of the Italian regulation about universities' quality assurance. Prototyped a process description tool using XML and XSLT technologies. Reduced costs and improved awareness of processes involving university's employees.</p>
	ENTREPRENEURSHIP
	<p>VBITALIA.COM (2001) Rimini, Italy Conceived and implemented a collaborative portal for Microsoft technologies developers (Visual Basic and ASP). Reached 3000 visitors a day including Italian companies such as FIAT and international organization such as UNICEF. Negotiated advertising offers for the website. Closed after one year for increasing cost of bandwidth and legal difficulties due to my young age.</p> <p>BABAOO.COM (2000) Rimini, Italy Collaborated with an independent entrepreneur to develop a community portal to help reduce the price of special goods using a collective demand. Portal creation and administration. Closed because the critical number of registered users was not reached.</p> <p>CISCOMPUTER.COM (2000 – 2001) Rimini, Italy Independent developer and consultant first and company part-time employee later. Conceived and implemented one of the first Italian user editable hotel portals, cut the cost of company's content writer personnel. Designed and implemented a software tool to support computers repairs, speeded up and made more flexible one of the company's core business processes. Designed and implemented a virtual marketplace for B2B customers.</p>
Leadership	<p>ORGANIZER, INTERVIEWING AFRICA (June 2006) Organized, with a small group of students from <i>Collegio di Milano</i>, an event to sensitize young people on Africa's issues. Obtained over 800 presences, invited some of the most important speakers on themes like economics, geopolitics and culture of Africa. National impact of the events with major journals talking and referencing it.</p> <p>TECHNICAL COORDINATOR, CeLIG (2003 – 2004) AI and Robotics group coordinator, proposed and reviewed projects, organized events, designed the group web site.</p> <p>UNIVERSITY OF BOLOGNA PRESIDENT, COMPUTER ENGINEERING STUDENTS (2001 – 2004) Led students and faculties discussions to improve students' university experience.</p> <p>STUDENT REPRESENTATIVE, DIDACTIC COUNCIL AND CAMPUS PROJECT, UNIVERSITY OF BOLOGNA (2002 – 2004) Monthly meetings with faculties to review and organizing courses for the following academics years. Assure the quality of education in the University of Bologna. Interviews with national evaluator from other Italian universities. The good implementation of the project led to additional funds for the universities.</p>
Award, Honors	<p>Alta Scuola Politecnica Scholarship (2005 – 2006); Collegio di Milano scholarship offered by Corriere della Sera (2005 – 2006); ISU and Politecnico di Milano scholarship (2005); ARSTUD and University of Bologna Prize (2004) for students graduated in the fastest time with highest marks; ARSTUD and University of Bologna Scholarship (2002 – 2003).</p>
Activities	<p>MIT Innovation Club; MIT Entrepreneurs Club; MIT European and Italian Club; Scuba diving (PADI license hold); Paintings; Contemporary and modern arts; Summer school on The Philosophy of Physics (September 2003); Member of the ACM (2003 – now);</p>
Skills	<p>Languages: Italian (native); English (fluent). Computer: Office products (Powerpoint, Excel, Word, Access, Outlook.), MS Project, Photoshop, Dreamweaver, InDesign, Illustrator. Technical: ASP, C/C++, C#, MATLAB, Java, Javascript, JSP, J2EE, PHP, Prolog, Python, SQL, TEX, VB/VBA, XML, XSLT. Advanced hardware and networking knowledge.</p>
Publications	<p>Andrea Omicini, Alessandro Ricci, Mirko Viroli, Marco Cioffi, and Giovanni Rimassa. <i>Multi-agent Infrastructures for Objective & Subjective Coordination</i>. Journal of Applied Artificial Intelligence (AAI), vol. 18, no. 09-10. Taylor & Francis, December 2004. • Simon Thompson, Marco Cioffi et al. <i>From trips to telcos – next generation service portals</i>. British Telecom Technology Journal (BTTJ), vol. 24, no. 1, pp. 27-39, Springer US, January, 2006. (link) • Marco Cioffi, Simon Thompson. Planning with the Semantic Web by fusing Ontologies and Planning Domain Definitions using JENA. Proceedings of XXV SGA International Conference on Innovative Techniques and Applications of Artificial Intelligence. Cambridge, UK. • Marco Cioffi. Kernel-level service Ontology in JADE, submitted to JADE Board Committee, September 2004.</p>