

Marco Biazzini

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Education

- 2010 **Ph.D. in Information and Communication Technologies** – Università di Trento – [ICT Doctoral School](#) (Italy)
Thesis : Gossiping Optimization Framework. A decentralized P2P architecture for function optimization
- 2005 **MSc in Computer Science** (110/110 *cum laude*) – [Università Ca' Foscari – DSI](#) (Italy)
Dissertation : Web Application Frameworks : stato dell'arte, problemi, prospettive
(Web Application Frameworks : state of the art, problems, prospects)

Professional experience

- 2015-today Development Engineer at [Amadeus S.a.S. – Sophia Antipolis](#) – Team FLE.
Task : **Maintenance and feature development of core flight search engine**.
Skills : C, C++, Linux, Git, Bash scripting, Deployment and Testing tools, Eclipse IDE, Qt Creator, Python.
- 2014-2015 Research Engineer at [INRIA – Sophia Antipolis](#) – Equipe COATI / Scale
Task : **Scalable distributed algorithms** to compute constrained walks on dense graphs (joint with Amadeus).
Skills : Java, Giraph, Hadoop, Linux, Git, Eclipse IDE, SVN, Python
- 2012-2014 Research Engineer at [INRIA – Bretagne Atlantique](#) – Equipe Triskell / DiverSE
Task : **Sourcecode characterization** through ecology-inspired data analysis techniques.
Skills : Java, JGit, Git, Linux, Bash scripting, Eclipse IDE, SVN
- 2011-2012 Research Engineer at [University of Nantes](#) – Distributed Systems research group
Task : **P2P decentralized algorithms** to manage and exploit user preferences in P2P applications.
Skills : Java, Networking, P2P protocols, Linux, Bash scripting, Eclipse IDE, SVN, Git, Python
- 2010-2011 Research Engineer at [University of Trento – DISI](#) – Networking research group.
Task : Epidemic **overlay protocols** to support **real-time P2P audio/video streaming**.
Skills : C, TCP/IP, P2P protocols, Linux, Bash scripting, SVN, Git, Eclipse IDE
- 2005-2009 Ph.D. candidate at University of Trento – [ICT Doctoral School](#).
Topic : P2P Epidemic **function optimization** and decentralized optimization **heuristics**.
Skills : Java, P2P protocols, PSO, DE, Linux, Bash scripting, SVN, Git, Eclipse IDE
- 2004-2006 Developer at ShP Software House Padovana – Italy.
Task : Small **industrial applications for human-machine interaction**, for Microsoft Windows OS.
Skills : C++, Java (JSP, JDBC), Microsoft Windows MFC Library, Eclipse IDE

R. & D. – My open source code

- Empirical analysis of **Git-based software repositories**. Available at <http://github.com/marbiaz/GitWorks> .
- P2P decentralized **user preferences elicitation**. Available at <http://github.com/marbiaz/WhatUsersWant> .
- **Distributed function optimization** framework. Available at <http://p2poem.sf.net> .

Teaching

- 2006-2010 Teaching assistant at Università di Trento, department of Computer Science.
Course: Algorithms and Data Structures
- 2001-2004 Teaching assistant at Università Ca' Foscari – Venezia, department of Computer Science.
Course: Software Engineering

Publications

The complete list of my publications in international conferences and journals is available at my [website](#).

Languages

Italian (native) English (fluent) French (operational)