Marco Biazzini

Birth date : 01 Jan 1976   **Nationality** : Italian
Telephone : +33642828913   **Email** : marbiaz@gmail.com   **Website :** http://marbiaz.github.io

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

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, Eclipde 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 French and international conferences and journals is available at my website.

Languages

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

Hobbies

Music (guitar, singing)   Sport (Gym, Volley, Ski, Tennis)   Literature (English and French novels)