

PERSONAL INFORMATION

Riccardo Volonterio

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Gender Male | Date of birth 16 November 1986 | Nationality Italian

WORK EXPERIENCE

January 2013 ⇒ Present Research associate

Location Politecnico di Milano - Como campus
Via Anzani 42, 22100 Como (Italy)

- Main activities
- Designed and implemented the backend architecture of the UrbanScope project aimed at collecting and classifying tweets from the Milan area.
<http://urbanscope.polimi.it/>
 - Re-engineered the *Social Knowledge Extraction* (SKE) project to a modular architecture aimed to better study intermediate results. The project main goal is to extract and manage emerging knowledge from social media using semantic techniques.
 - Conducted research project as part of the *Search Computing* (SeCo) european project to develop a Crowdsourcing platform for human and machine computation.
<http://crowdsearcher.search-computing.org/>
 - Studied the behaviour of the online challenge *YourExpo2015* using social networks to detect what actions can be taken to boost social engagement.
<https://www.facebook.com/YourExpo2015Challenge/>
 - Full stack developer for the research group.
Maintained and ensured availability of the existing virtualized environment, designed and implemented tools to interact with social networks and RESTful servers.

January 2015 ⇒ Present Teaching assistant

Location Politecnico di Milano - Como campus
Via Anzani 42, 22100 Como (Italy)

- Main activities
- Teaching assistant for the laboratories of the "Software Engineering" course.
Topics: Goal oriented design, Software lifecycle, UML and OO design, Java programming language.

January 2014 ⇒ Present Teaching assistant

Location Politecnico di Milano - Como campus
Via Anzani 42, 22100 Como (Italy)

- Main activities
- Teaching assistant for the laboratories of the "Fundamentals of computer science" course.
Topics: Programming language concepts using the C or C++ language, data abstraction, use of types, control structures for the execution of a sequence of statements.

November 2011 ⇒ May 2012 Junior Developer

Location WebRatio
ComoNext, Lomazzo (CO) 22074 (Italy)

- Main activities
- Developed parts of applications using the WebML modelling language and created custom components for the WebRatio store.
Ported the default WebRatio template to a new responsive template using HTML5 and CSS3.

October 2009 ⇒ March 2011

Junior Developer

Location Politecnico di Milano, Piazza Leonardo da Vinci, 32, 20133 Milano (Italy)

Main activities Search Computing (SeCo) project
Designed and implementation of the front-end for the SeCo search engine using JavaScript-MVC framework.

EDUCATION AND TRAINING

2009 ⇒ 2012

Master degree in Computer science engineering

92/110

Politecnico di Milano - Polo di Como

2005 ⇒ 2009

Bachelor degree in Computer science engineering

95/110

Politecnico di Milano - Polo di Como

2000 ⇒ 2005

High school diploma in Computer science

Istituto Tecnico Industriale Statale (*I.T.I.S.*) Magistri Cumacini

PERSONAL SKILLS

Mother tongue Italian

Other languages

English

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
C1	C1	B2	B2	B2

Levels: A1/A2: Basic user – B1/B2: Independent user – C1/C2: Proficient user
[Common European Framework of Reference \(CEF\) level](#)

Communication skills – Good ability to adapt to multicultural environments.
– Experience in passing technical knowledge obtained during the teaching activities.

Organisational/managerial skills – Able to work independently including planning and executing activities with minimum supervision.
– Capable of facing unexpected problems and provide both short and long-term solutions.
– Great team working skills, capable of motivating people to reach common objectives.
– Project management skills (version control, issue tracker).
– Deep understanding of technology with focus on delivering solutions.

Technical skills Strong knowledge of the JavaScript/NodeJS ecosystem (build tools, task runners, frameworks, libraries) and the tools needed for debugging and profiling applications.

Font-end: JavaScript (6 years), HTML/CSS (5 years), jQuery, Twitter Bootstrap, TypeScript, Polymer (self-taught), Angular2 (self-taught).

Back-end: NodeJS (6 years), Go (1 year, self-taught).

Programming languages: Java (2 years), C++, R.

Linux sysadmin: Apache2, Nginx, bash, docker.

Databases: MongoDB (4 years), Redis (1 year), MySQL, PostgreSQL, Neo4j.

Driving licence B

ADDITIONAL INFORMATION

- Publications**
- *A Bozzon, M Brambilla, S Ceri, A Mauri, R Volonterio.*
Designing Complex Crowdsourcing Applications covering Multiple Platforms and Tasks.
 - *M Brambilla, S Ceri, A Mauri, R Volonterio.*
Adaptive and Interoperable Crowdsourcing.
 - *A Bozzon, M Brambilla, S Ceri, A Mauri, R Volonterio.*
Pattern-Based Specification of Crowdsourcing Applications.
 - *M Brambilla, D Dell'Aglio, E Della Valle, A Mauri, R Volonterio.*
Enriching Live Event Participation with Social Network Content Analysis and Visualization.
 - *M Brambilla, D Dell'Aglio, E Della Valle, A Mauri, R Volonterio.*
Augmented Participation to Live Events through Social Network Content Enrichment.
 - *M Brambilla, S Ceri, A Mauri, R Volonterio.*
Community-based Crowdsourcing.
 - *D. Barbieri, A. Bozzon, M. Brambilla, S. Ceri, C. Pasini, L. Tettamanti, S. VDACCA, R. Volonterio and S. Zagorac.*
Exploratory Multi-domain Search on Web Data Sources with Liquid Queries.