

Christian Barbato

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<http://christianb.altervista.org>
<http://sflux.blogspot.com>
<http://sflux.sourceforge.net>

Interests

Semantic Web, Neural Networks, Genetic Algorithms, Parallel Computation,
User-Machine Interaction.

Education

Bachelor in Computer Science, Venice University (Ca' Foscari), Italy,
October 2005

Main university courses:

- * Object Oriented Programming. Developed a model of an evolutionary ecosystem using Neural Networks and Genetic Algorithms. Used the Eiffel programming language.
Source code and relation available (in Italian) at
http://christianb.altervista.org/universita/l_oggetti.zip
Rated 30/30
- * Logic Programming. Developed a classical and genetic algorithm based algorithm to solve the MasterMind game. Used the Prolog programming language. Source code and relation available (in Italian) at
http://christianb.altervista.org/universita/l_logici.zip
Rated 29/30
- * Software Engineering. Developed a simple bulletin board using Java programming language. Worked in team following the classical software engineering cycle (Brainstorming, Analysis, Design, Coding, Testing all glued by the proper documentation). I had the role of the librarian (documentation responsible). Source code and documentation available (in Italian) at
http://christianb.altervista.org/universita/ing_software.zip
Rated 30/30
- * Multimedia Systems. Wrote many articles on various aspects of multimedia systems used as a communication media (covered SMIL, Visual Information Retrieval, Hypermedia Design Model). Some articles available (in Italian) at
http://christianb.altervista.org/universita/sist_multimediali.zip
Rated 30/30
- * Parallel computing. Developed a parallel version of the Jacobi algorithm. Used the C++ programming language and MPICH libraries. Source code and relation available (in Italian) at
http://christianb.altervista.org/universita/calc_parallelo.zip
Rated 27/30

Master Thesis and Open Source project:

Designed a model and developed an application to completely reinvent the way a user can manipulate his documents (files). Using Semantic Web technologies (RDF/OWL/SPARQL) has been possible to describe the user desktop environment (mainly files, installed applications and the operations applications can perform). On these basis a properly written software is able to become the main and unique interface for a user to operate on his documents letting him to focus just on the operations he wants to perform and not on what application

to use.

The thesis named "S-Flow, Semantic Web e XML per il desktop del futuro" has been valuated as "thesis of excellence" and is available (in Italian) at

<http://christianb.altervista.org/universita/SFlow.pdf>

The project is still alive but changed name to S-Flux. All the code, documentation, and informations (both in Italian and English) are available at

<http://sflux.sourceforge.net>

In July 2007 I've given a flash-talk about S-Flux during the GUADEC (Gnome User And Developers Conference) in Birmingham UK.

Work Experience

Java Developer, Insiel S.p.A. (<http://www.insiel.it>) [September 2006 - now]

Developed a new web-application that is in use in the public administration. I've started as a junior developer and, occasionally, as system administrator in the maintenance of a couple of development server (Debian based).

At the moment I'm a senior developer (semi-architect) and I'm involved in the process of designing and developing two new web-applications.

In all the projects we have used Spring Framework, Spring WebFlow, Maven, Hibernate, Junit and JMock. In one of the latest projects we're also using IBM Rational Software Architect as the tool in use during the designing process.

Startup cofounder, Retre (<http://www.retre.it>) [January 2004 - July 2006]

Mainly worked on studying and developing proof of concepts semantic web based search engines and as open source consultant for the education.

Promoter for Apple and Epson products [November 2001 - December 2003]

Worked as promoter for Apple and Epson products at various malls around Venice (Italy).

Skills

Worked mainly with Java and Python programming languages even if I've had the occasions to use many other languages.

On the web side I've worked with XHTML/CSS, Javascript, AJAX and PHP.

Everyday user of Mac OS X and Debian based operating systems (Debian and Ubuntu).

Good knowledge regarding the Object Oriented design model.

Great supporter of the agile development model.

Always looking for a new problem to solve.

References

Prof. Massimo Marchiori, research scientist at MIT (Laboratory for Computer Science in The W3C), can be contacted at massimo@w3.org

Dott. Andrea Zoleo, Kynetics s.r.l. CEO, can be contacted at andrea.zoleo@kynetics.it