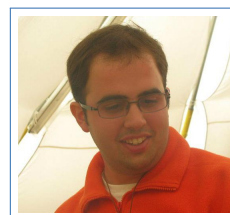


Marco Gasparri

Curriculum Vitae

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Professional experiences

- Oct 2015 – **Software and Algorithm Engineer**, WORKWAVE, Verona.
now Design and implementation, evaluation and improvement high-performance, serial and parallel algorithms for optimization, simulation and statistics in C/C++, working as member of the Engineering Team to meet product release schedules. Particularly I design, develop and test vehicle routing algorithms for the SaaS WorkWave Route Manager.
- Aug 2013 – **Freelancer IT**, MAGISTER SISTEMA CAFFÈ SRL, WE ARE SOCIAL SRL, ERRECI SRL, CMP LEGNANO UNO, Milan area.
now All the collaborations concerned the developing of websites and/or the developing of small web applications, using PHP language and XML.
- Sep 2011 – **IT Director & Web Developer**, *blog Seriangolo.it*.
now
 - Developer of web applications for original Seriangolo staff project (webgames, improvement of blog platform based on WordPress), using PHP, JavaScript and SQL (DBMS PostgreSQL).
 - IT Director for the development and the management of the webgames "Fanta Game of Thrones" (based on "Game of Thrones", 25.000 users in 2016 edition) and "The Walking Game" (based on "The Walking Dead", 5.000 users in the 2015/2016 edition).
 - TV series reviewer.
- Apr 2013 – **Associate in research project**, UNIVERSITÀ DEGLI STUDI DI MILANO (COMPUTER SCIENCE DEPARTMENT, AGRICULTURAL ENGINEERING DEPARTMENT), Milan.
May 2014 Focus of the work was the formulation and the implementation of a mathematical model useful for building an infrastructure able to dispense waste water and effluents coming from animal husbandries in a large area. The first part of the work (corresponding to my Bachelor's thesis) consisted in the design of the model and its implementation using the environment IBM ILOG Optimization Studio, with CPLEX solver. But the exponential dimensions growth did not make this solution useful for a large area utilization, so we decided to restart with a new approach, designing and implementing a new optimization heuristic algorithm in C language, simultaneously with a simulation of the infrastructure treatments.
This experience brought me working with a team of professors and experts on the project AGER-SEESPIG: after the work experience, the final algorithm has become the subject of my Master's thesis.

Education

- 2013–2015 **MSc in Computer Science**, *Università degli Studi di Milano*, Milan, 110/110 cum laude, specialization in *algorithms, analytics and optimization*.
- 2009–2012 **BSc in Computer Science**, *Università degli Studi di Milano*, Milan, 96/110.

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2008–2009 **Attended first year courses of BSc in Medical Biotechnologies**, *Università degli Studi di Milano*, Milano.

2003–2008 **Scientific Lyceum Diploma**, *Liceo Scientifico "G. Galilei"*, Legnano (MI).

Other Experiences

2003–2013 **Educator**, *Parish youth club "Don Bosco"*, Rescaldina (MI).

- Teenagers educator.
- Collaborator and supervisor in the organization of activities for children and teenagers.
- Collaborator and supervisor in the organization of camping experiences.

2008–now **Video and lights technician**, *Theater company "Compagnia della Torre"*, Rescaldina (MI).

Skills

Basic skills ADOBE INDESIGN, JAVASCRIPT, FUNCTIONAL PROGRAMMING

Intermediate skills JAVA, C, C++, IBM ILOG OPTIMIZATION STUDIO - OPL, UNIX, GIMP, HTML, PHP, CSS3, POSTGRESQL, MATHEMATICAL PROGRAMMING, ALGORITHMS DESIGN AND OPTIMIZATION, MICROSOFT VISUAL STUDIO

Publications

"Sostenibilità ambientale ed economica: la gestione degli effluenti negli allevamenti di suini" (Environmental and economical sustainability: effluents management in swine breeding farms)

edited by P. Bonfanti e G. Provolo

I worked on the editing of the chapter "Sviluppo di un Decision Support System per la valutazione tecnica ed economica delle soluzioni territoriali per la gestione degli effluenti da allevamento" (Developing of a Decision Support System for the technical and economical estimate of territorial solutions in order to manage breeding farm effluents) in collaboration with prof. Giorgio Provolo, prof. Guido Sali and Giorgio Galassi, all from the University of Milan.

Personal competences

I have good communication and team working skills. The university and the parish youth club experiences gave me the ability of working in a team, judging other people proposals in a critical way. I am able to make decisions autonomously, if I have to do it. The experience as freelancer and the direct contact with some professors during the university work have improved my communication skills, because I have to relate with clients or other people both in a technical way and both with a more common language, in order to explain my work in the best way. I can be proactive if I am asked to, accepting constructive criticisms that let me professionally grow and improve the entire team work. I do not have problems in relating with other people with whom I have to work, especially if they are motivated and satisfied about their job.

Language competences

Italian **Mother tongue**

English **Advanced**

TOEFL iBT 89/120 (June 2013)

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2/2