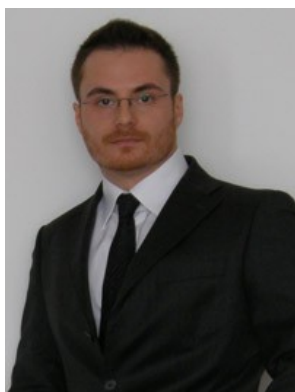


Sebastiano Galazzo



Born in Italy
Date of Birth xx/xx/1976
Address Milan Italy
Mobile Phone +39 338 5482810 (main number)
+39 320 3067115
Email sebastiano.galazzo@gmail.com
Skype ID sebastiano.galazzo

Master's degree in computer science, awarded July 30, 2003 at
Università degli studi di Catania (Italy)

Technical skills

Programming languages **C / C++**, PHP, SQL, Javascript/Ajax, Java, RDF, OWL
Platforms Lamp (Linux, Apache, MySQL, PHP)
Databases MySQL
Operating Systems Linux, FreeBSD, OpenBSD, Symbian, Windows, OSX
Api Google Adwords, Google Analytics, yahoo, paypal
Libraries Apache 2.0 webserver modules development, Qt
Nokia, libNET, libPCAP, Adodb, SDL, OpenGL

Certifications



Nokia Certified
Qt Developer



Qt Developer Days 2010, Munich, Germany
During this event I also passed the "Qualified in C++ with Qt" beta exam
Nokia Certified Qt Developer : NQT000859 (Candidate ID)
Qt Ambassador :
<http://qt.nokia.com/qt-in-use/ambassadors/project?id=a0F20000006KW6vEAG>

Projects

<http://seo.witinside.net/genetic-algorithms/>

Design & Development

Design and development of complex **C / C++** applications
Developing GUIs in C++, using the **Qt cross platform libraries**, desktop and mobile
Design of complex web applications
Databases design and administration
Assembly programming, specialized on MMX, SSE, SSE2, SSE3, SSSE3, SSE4, 3DNow! (intrinsic) instructions set
Distributed programming
Excellent knowledge of computer graphics algorithms. 2D / 3D, DSP / Image processing
Knowledge of Artificial Intelligence algorithms

Research & Development

SEO
(Search Engine Optimization) I studied the SEO, not only with regard to best practices, but also from the "mathematical" point of view, deepening the knowledge of algorithms such as PageRank, and algorithms underlying the Google activities.

Through pattern analysis and neural networks I have detailed questions concerning the world of keywords.

As for the SEO, the project that can certainly certify my experience in the field is "Genesis". It is a software that I designed and developed through the use of **genetic algorithms** and my knowledge of **image processing**. It finds the best distribution of internal links of a site to maximize PageRank. I invite you to read the article I posted on [Genesis](#)

I can say with enough certainty that no one has ever addressed this issue with this approach. You can check yourself by looking up google "seo genetic algorithms".

Development libraries used: **Qt Platform**

Mobile
(Qt Mobile / Symbian)

That project, still under development, involves the creation of a mobile application related to augmented reality and location-based interfaces with Client / Server interaction, and the use of OpenStreetMap and **Qt Mobility**.

Semantic web

That project, still under development, provides through the use of a neural network, the ability to create automatically an ontology and a knowledge base.

Master's degree Thesis " A Computer Vision system to support road conditions "
Supervisor Chiar.mo prof. Giovanni Gallo.

Work experience

Current work

Company Visiant Contact srl - Milan - Italy

Employment contract Permanent / Full time

- As Head of IT area, with the experience gained under the previous company, with a team of 8 people, I followed all the start-up phase of the project 892000 - **Vodafone Italia**.

A local search engine, integrated with a call center service. I am responsible from the software design, development process to deadlines. I work closely with my company's marketing director and with Vodafone' s Product Managers and QA for 892000. When appropriate my work involves travel to meet customers or to follow production on others headquarters of my company.

- January 2005
December 2009
- Company Ubiquity, Hermess, iakké Group - Milan - Italy
Employment contract Permanent / Full time
- Head of C / C++ developers team.
- Design and development of a storage software in **C / C++**, used in **SEO**, called precisely "SEO machine". Is a btree, capable of storing a huge amount of data , but searchable in time $\log_M N$. Performance exceed the use of a database.
 - Design and development of a local search engine. The engine was developed in **C / C++**, specifically on the distribution of Debian, **FreeBSD**, as Apache 2.0 webserver module. To improve performance have not been used Databases. In their place are used advanced data structures (AVL trees, HASH tables, dichotomous algorithms) directly into memory. For some procedures, particularly critical, was made use of **assembly language**. Have been implemented the functions of taxonomy , correction of the query strings and phonetic algorithms.
- January 2004
January 2005
- Company HT Informatica srl - Siracusa - Italy
Employment contract Permanent / Full time
- Design and development of Databases, multimedia software for public and private companies operating in the health sector using **C / C++**.
 - Development of CRM based on web technology
 - Development of send / receive SMS systems, from the Web, by GSM phones.
- October 2003
December 2004
- Company Biesse srl - Modena - Italy
Employment contract Consultant
- Design and development of software for pattern recognition using **Mathematical Morphology algorithms** in order to improve the process of engraving pictures by laser on printing rollers. Used 2D computer graphics algorithms, developed in **C++** under Windows.
- October 2001
October 2003
- Company LEAR Engineering srl - Modena - Italy
Employment contract Consultant
- Design and development of a video surveillance software, implementing the motion detection, with **C / C++** and **Assembly** instructions, using **MMX** and **SSE**. Implemented, also streaming video features in broadcasting, with client / server architecture, developed in a Linux environment. The performances were judged by experts in the field above the average of commercial software and alignment to the top of the range of the value of € 25,000.00. During development, I have also experienced an image compression algorithm based on **wavelet transform**. Results gave better performance in terms of quality of

JPEG and lower, by about 30%, compared to **JPEG2000**.

September 2002
July 2003

Company Università degli Studi di Catania - Italy
Employment contract Consultant

- Implementation of a software that can determine the distance of visibility, inside a moving vehicle, using cameras and a GPS system. Used in 3D and 2D computer graphics algorithms developed in **C / C++**