

Curriculum Vitae

of Luca Busin

Summary

1. General information	2
2. Scholastic curriculum	2
3. Knowledge	2
3.1 Knowledge acquired in scholastic environment	2
3.2 Knowledge acquired in working area	3
3.2 Known languages	3
4. Scientific research activities	3
5. Working experiences	4
6. Further information	5

1. General information

- I was born in Thiene (Vicenza, Italy) on July 17th 1981. I live in Torrebelticino, 25, Padre Cornelio Prandina street, 36036 Torrebelticino (VI), Italy.
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- Nationality: Italian. Status: bachelor. I own a driving license.

2. Scholastic curriculum

- 2005 until today. I attended the course of the master degree at the Mathematical, Physics and Natural Sciences address of University of Udine and presently I'm working on the final thesis.
- October 2000 - July 2004. I attended the courses of the first degree in Computer Science at the Mathematical, Physics and Natural Sciences address of University of Udine. In July 2004 I graduated with 107/110 points.
- July 2000. I got a diploma at the scientific secondary school N. Tron of Schio (VI).

3. Knowledge

3.1 Knowledge acquired in scholastic environment

- My individual study plan followed during my university path permitted me to obtain basic knowledge both in theoretical and in applicative fundamentals of computer science.
- I have a good knowledge in *Human-Computer Interaction* (HCI). I particularly deepened the study of tridimensional interfaces: on this argument I realized my first degree thesis.
- Still in the Human-Computer Interaction and *Software Engineering* area I faced the development and the test of ERP systems and its connected user interfaces and the visualization of a great amount of data (*Information Visualization*).

- I could study in depth other arguments as *Advanced Algorithms*, *Contents Personalization*, and *Information Retrieval*. On these subjects I am focusing the project of my master degree thesis.
- Thanks to several projects faced during my studies I worked deeply with Java programming language but I could use also some logic and functional programming languages as Haskell, Curry, Prolog and other more classic languages.
- In my study I also focused in other subjects as *Psychology of Communication*, *3D Interactive Graphic*, *Software Engineering* and *Object Oriented Development and Analysis*.

3.2 Knowledge acquired in working area

- I deepened the analysis of software usability by intervening in different moments of the life cycle through studies in close contact with users.
- I managed user support activities and projects of a developer team assigning different activities to appropriate resources and intervening directly when necessary.
- I learned how to conduct the organization of activities in a dynamic way and with fast personal intervention in different European countries as soon as necessary.

3.2 Known languages

- Good knowledge of english also due to 5 periods of study of 4 weeks each in England and Ireland.
- Good knowledge of French acquired in Forgital S.p.A. thanks to courses and frequent job trips in France.
- Base knowledge of Spanish acquired during a stay of 9 weeks in Dominican Republic.

4. Scientific research activities

- I started my researches with my thesis with professor Luca Chittaro. The thesis belongs to the HCI area, more precisely interaction with three-dimensional virtual humanoids. I studied some problems of spatial geometry and the transposition of structural physiological models and mechanics of the human

body to the geometries of virtual humanoids. I was interested also in practical applications of these virtual humanoids.

- I participated in the study of a system of on-line publication of research papers in collaboration with professor Stefano Mizzaro. The system was conceived by me and by professor Mizzaro. To implement this system I deepened matters as the reduction of spamming, the visualization of huge graphs, the optimization of algorithms and data structures and the analysis of shape and evolution of social networks.
- Currently I am performing a study on the TREC database for the evaluation of search engines with professor Mizzaro. The study includes the formulation of new algorithms, their implementation and tests on great quantities of real data from TREC.

5. Working experiences

- May 2007 until today. I work as software analyst and developer in the IT area of Forgital Italy SpA. My main occupations include
 - resolution of the problems concerning the ERP system internally developed and intranet applications;
 - organization of the activities of the developers team;
 - management of all activities concerning the direct contact with the Italian and French users and with the IT areas of different Forgital Group enterprises.I am involved in all the steps of the software life cycle and I frequently displace in the french enterprises of the group.
- January 2006 to June 2006. I made a consultancy for e-learning4All. My assignment concerned the planning and the development of user interfaces for e-learning applications. In the project tasks there were interviews with final users and tests of usability. e-learning4All was financed by the TechnoSeed project and it is a spin-off of University of Udine.
- December 2005. I made a consultancy for C.A.R.M.A srl (Centre for Advanced Research in Medical Aid) about the start of the development of a virtual reality system for phobias cures.
- January 2004 - March 2004. I had a stage in the HCILab of the university of Udine. My duty concerned the development of the facial animation of a virtual humanoid.

6. Further information

- In May 1998 I won the special prize "FriulAdria Giovani" for the best page containing the web contest proclamation. The prize concerned the 21st contest "Europe and Young people" open to universities and schools of all Italy.
- I am available to move in other nations also for long periods.