



Gianpietro Basei

Curriculum Vitae

Personal Information

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Nationality Italian.
Date of birth April 17, 1987.

Education

- 2015–2018 **PhD in Computer Science**, *Ca' Foscari University of Venice*, Venice (Italy), Research topic: *"Modelling sustainability assessment of engineered nano-materials (ENMs) through decision support system software"*.
Supervisors: Prof. A. Torsello - Prof. A. Marcomini.
- 2012–2015 **MSc Degree in Computer Science**, *Ca' Foscari University of Venice*,
Principal subjects/occupational skills covered: advanced topics in ICT field, such as Computer Vision, Pattern Recognition and Machine Learning, Artificial Intelligence, High Performance Computing, Security, Advanced Databases, Compilers, Numerical Algorithms.
Thesis title: *"Structural Signatures through Continuous-time Quantum Walks with Decoherence"* (Quantum Mechanical approach to characterize nodes of a graph)
Supervisor: Prof. A. Torsello.
Grade: 110/110 cum laude
- 2006–2012 **Bachelor Degree in Computer Science**, *Ca' Foscari University of Venice*,
Principal subjects/occupational skills covered: foundations of ICT, such as Procedural and Object Oriented Programming, Web development, Algorithms and Complexity, Data structures (graphs, trees, lists, etc.), Databases.
Thesis title: *"Implementazione di un algoritmo per la ricerca di pattern frequenti"* (Implementation of an algorithm for Frequent Itemset Mining)
Supervisor: Dott. C. Silvestri.
Grade: 99/110
- 2001–2006 **High school certification in Accountancy**, *ITGC L. Einaudi*, Montebelluna (Italy).
Grade: 95/100

Experience

Working experience

- 2015 **ICT Analyst**, *Fondazione Università Ca' Foscari*, Venice (Italy).
(ongoing) Design and development of an interactive web application, that allows an innovative analysis of the multimodal public transport and its degree of interaction in the metropolitan city of Venezia-Padova-Treviso, through visual analytics mechanisms on geographical maps.

Teaching experience

- 2013 **Teaching Assistant**, *Ca' Foscari University of Venice*.
(ongoing) Teaching assistant of Calculus (first module).
Course level: undergraduate.
Instructor: Prof. F. Sartoretto.
- 2014 **Teaching Assistant**, *Ca' Foscari University of Venice*.
(ongoing) Teaching assistant of Calculus (second module).
Course level: undergraduate.
Instructor: Prof. F. Sartoretto.

Partecipation in European Projects

- 2015–2017 **SUN - Sustainable Nanotechnologies (FP7)**.
(ongoing) As part of my PhD I collaborate to the SUN Project (<http://www.sun-fp7.eu/>), developing a Decision Support System for evaluate the environmental and health risk of Nano Materials in the complete product lifecycle.

Personal skills and competences

Languages

Italian **Mothertongue**

English	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	
	B2	B2	B2	B2	B2
German	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	
	A2	A2	A2	A2	A2

Computer skills and competences

- Operating Systems Advanced: Microsoft Windows, Linux.
Basic: Mac OS X.
- Programming languages Advanced: *C*, *Java*, *Matlab*, *PHP*, *JavaScript* and *SQL*.
Intermediate: *Python* and *R*.
Basic: *C++*, *ASP* and *Fortran*.
- Applications Advanced knowledge of *Microsoft Office* suite (and of its open-source counterparts), basic knowledge of *Adobe Photoshop* and *Gimp*.
- Others Advanced knowledge of *HTML*, *CSS* and \LaTeX .

Additional information

Referee Since January 2008 I am an AIA (Associazione Italiana Arbitri) Referee.

Driving B
licence