



Curriculum Vitae

Leonardo Gabrielli

Personal information

E-mail	l.gabrielli@univpm.it
Nationality	Italian
Date of birth	1986
Gender	M
Institutional Address	A3Lab - Dept. Information Engineering, Università Politecnica delle Marche, via Breccie Bianche 31, 60131, Ancona, Italy

Experiences

Dates	September 2012 to present
Occupation or position held	Co-founder of "DowSee" Srl
Main activities and responsibilities	"DowSee" is a university spin-off company, born from a team composed experienced researchers and engineers. Its aim is to develop tools for sustainable sensor networks and environmental-compatible water supplies monitoring systems based energy harvesting techniques. "FluidEnergy", the company's business idea won a research grant in 2011 and a seed grant in 2012.
Name and address of employer	DowSee, Italy
Type of business or sector	Sustainable energy, Water supplies monitoring
Dates	January 2012 to present
Occupation or position held	PhD student at the Dept. Information Engineering, Università Politecnica delle Marche, Ancona, Italy
Main activities and responsibilities	Music technologies, music synthesis, human-computer interaction
Name and address of employer	Università Politecnica delle Marche, Dept. Information Engineering
Type of business or sector	Music technology
Dates	March 2011 – September 2011
Occupation or position held	Sound Designer at Viscount Italy
Main activities and responsibilities	Parametrization and sound design for physics-based emulation of electric pianos. Design of physical modeling algorithms for their emulation with emphasis on flexibility, realism and fidelity.
Name and address of employer	Viscount SpA, Ancona, Italy
Type of business or sector	Audio Engineering
Dates	October 2007 – March 2008
Occupation or position held	Software tester at Intel (Software Solutions Group, Germany)
Main activities and responsibilities	Design and implementation of an automated test system for the Intel Atom debugger.
Name and address of employer	Intel GmbH, Laemmerweg 32, D-89079 Ulm-Einsingen, Germany
Type of business or sector	Software Quality Engineering

Scientific Works See List of Publications - attached

Education and training

Dates	May 2-4 2012
Title of qualification awarded	Timely COST Workshop
Principal subjects/occupational skills covered	Dynamical systems for psychological timing and timing in speech processing
Name and type of organisation providing education and training	IIASS, Vietri sul Mare, Italy
Dates	April – July 2011

Title of qualification awarded	Stage: "Ecapital2011: Write your business idea"
Principal subjects/occupational skills covered	Writing a business plan, foundations of economy, how to build a startup company.
Name and type of organisation providing education and training	Istituto Adriano Olivetti (ISTAO), Ancona
Dates	11 - 14 April 2011
Seminar/Workshop	Seminar: "Intelligent Audio Analysis" by dr. Bjorn Schuller (Technische Universität München)
Main topic	Audio analysis, segmentation, classification for speech and music. Speech recognition and human emotion recognition.
Name and type of organisation providing education and training	Università Politecnica delle Marche
Dates	October 2008 – February 2011
Title of qualification awarded	MSc. in Electronic Engineering, (grade: 110/110 summa cum laude) Title of the thesis: "Modeling of the Clavinet using Digital Waveguide Synthesis Techniques" conducted at the Aalto University of Finland
Principal subjects/occupational skills covered	Digital audio signal processing, Music Information Retrieval, Real-Time Operating Systems, Power Management for Embedded Systems
Name and type of organisation providing education and training	Università Politecnica delle Marche
Dates	August – October 2011
Training	Visiting student at the Aalto University di Helsinki.
Name and type of organisation providing education and training	Aalto University, Helsinki, Espoo, Finland
Dates	September 2004 – October 2008
Title of qualification awarded	Bsc. In Electronic Engineering with the thesis "Development of automated test frameworks for an Intel Software Tool Suite" conducted at Intel Germany
Principal subjects/occupational skills covered	Coding C/C++, Coding Matlab, Intel instructions and low-level debugging, Unix operating systems
Name and type of organisation providing education and training	Università Politecnica delle Marche
Dates	September 1999 – June 2004
Title of qualification awarded	High school, Scientific degree (Diploma di Maturità Scientifica)
Name and type of organisation providing education and training	Liceo Scientifico Corridoni-Campana, Osimo (AN)

Personal skills and competences

Mother tongue(s) **Italian**

Other language(s)

Self-assessment

European level ()*

English

French

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C2	Proficient	C2	Proficient	C1	Proficient	C2	Proficient	C2	Proficient
A2	Basic	B1	Independent	A2	Basic	A1	Basic	A1	Basic

(*) [Common European Framework of Reference for Languages](http://www.cerl.eu)

Social skills and competences	<p>Work experience in a team and mediation between team members.</p> <p>Several experiences in multicultural environments</p> <p>Will to socialize in a team and create strong connections to the others.</p>
Organisational skills and competences	<p>Attitude in managing the workflow and speed up team activities</p> <p>Experience in managing R&D activities in an industrial framework</p>
Technical skills and Computer skills	<p>High competence in coding and optimizing C/C++ under Linux and Embedded systems (Freescale, Texas Instruments)</p> <p>High competence with Matlab and its toolboxes</p> <p>Competence in PHP coding for the Web</p> <p>Administration of Unix servers</p> <p>Latex paging</p> <p>Graphical paging (Adobe/Quark) after minor work experiences</p>
Artistic skills and competences	<p>Musician since a childhood, multi-instrumentist, in the past few years experimental electronic musician in solo performances</p> <p>Photographer since 10 years, some works prized by national contests and exposed in local exhibitions</p>
Other skills and competences	<p>Personal research in the fields of sustainable technologies, environmental health and human nutrition.</p>