EUROPEAN FORMAT FOR CURRICULUM VITAE

PERSONAL INFORMATIONS

Surname / First name	**MONTORSI FRANCESCO**
Address	**VIA SALVEMINI N. 10, FORMIGINE (MO) 41043**
Phone number	**+339 1300810**
E-mail	**francesco.montorsi@gmail.com**
Skype contact	**f.montorsi**
Nationality	Italian
Date of birth (dd/mm/yyyy)	02/04/1986

WORKING EXPERIENCE

Time period	1/12/2007 – 1/1/2008
Company name	OCEM S.p.a. Via 2 Agosto 1980, n. 11 40016 San Giorgio di Piano Bologna – Italy Tel. +39 051 6656611 Fax. +39 051 6650099/6656677 Email: info@ocem.com Web: www.ocem.it
Working sector	Development of power converters for airport and street illumination.
Type of employment	Project contract
Occupation or position held	Development of an adaptive channel selection algorithm for selection of the best powerline channel to use for remote control of each airport lane's illumination.

Time period	1/11/2006 – 1/12/2006
Company name	OCEM S.p.a. Via 2 Agosto 1980, n. 11 40016 San Giorgio di Piano Bologna – Italy Phone: +39 051 6656611 Fax. +39 051 6650099/6656677 Email: info@ocem.com Web: www.ocem.it
Working sector	Development of power converters for airport and street illumination.
Type of employment	Project contract
Occupation or position held	Development of a MAC (Medium Access Control) address assignment protocol for powerline channels using ALOHA and CSMA algorithms.

Time period	15/04/2007 – 25/08/2007
Company name	Google Inc.
	1600 Amphitheatre Parkway
	Mountain View, CA 94043
	USA
	Phone: +1 650-253-0000
	Fax: +1 650-253-0001
Working sector	Research and development of ICT and Internet services
Type of employment	Participation to the "Google Summer of Code 2007" competition
Occupation or position held	"XTI Metadata Completion" project supervised by Dr. Stefan Cmosor for the open-source library wxWidgets (*www.wxwidgets.org*).

Time period	15/04/2006 – 25/08/2006
Company name	Google Inc.
	1600 Amphitheatre Parkway
	Mountain View, CA 94043
	USA
	Phone: +1 650-253-0000
	Fax: +1 650-253-0001
Working sector	Research and development of ICT and Internet services
Type of employment	Participation to the "Google Summer of Code 2007" competition
Occupation or position held	"wxWidgets components package manager" project supervised by Dr. Julian Smart for the open-source library wxWidgets (*www.wxwidgets.org*).

EDUCATION AND TRAINING

Dates	2010-2013
Name and type of organization providing education and training	University of Modena and Reggio Emilia
Principal subjects/occupational skills covered	Technologies for indoor radio-localization systems: UWB ranging, LOS/NLOS correction algorithms
Title of qualification awarded	PhD in Information and Communication Technologies (ICT)
Dates	2007-2009
Name and type of organization providing education and training	University of Modena and Reggio Emilia
Principal subjects/occupational skills covered	Communication theory: digital modulations, channel modeling, receiver design; communication standards (DAB, DVB, GSM, UMTS etc)
	Information theory: block and trellis error correction codes, turbo codes.
	Signal processing: continuous and discrete time systems, frequency and spectral analysis.
	Hardware, firmware and software design.
	Electronics and microelectronics.
Title of qualification awarded	Master degree ("Laurea magistrale") in Electrical Engineering
Level in national or international classification	110/110 cum laude
Thesis	Development and implementation of a wideband digital modem
Scholarships	Assignee for year 2007/2008 and 2008/2009 of the scholarship released from University of Modena and Reggio Emilia for merit
Dates	2004-2007
Name and type of organization providing education and training	University of Modena and Reggio Emilia
Principal subjects/occupational skills covered	Technologies for information exchange, elaboration and transmission.
	Mathematics, physics.
	Physics of electronic devices.
	Computer science and computer programming.
Title of qualification awarded	Bachelor degree ("Laurea triennale") in Electrical Engineering
Level in national or international classification	110/110 cum laude
Thesis	Development and implementation of a fine frequency synchronization for OFDM systems
Scholarships	Assignee for year 2004/2005, 2005/2006 and 2006/2007 of the scholarship released from University of Modena and Reggio Emilia for merit
Dates	1999-2004
Name and type of organization providing education and training	Science Course Diploma (Liceo Scientifico Statale "Wiligelmo")
Principal subjects/occupational skills covered	Mathematics, Physics, Chemistry
Title of qualification awarded	GCE at A level
Level in national or international classification	100/100

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			
	B2	C1	B2	B2			C1
	A1	B1	A1	A1			A2

(*) Common European Framework of Reference for Languages

Organizational skills and competences

During my research works I have developed the ability to interact and to develop relationships within a team of students

Technical skills and competences

Experience in the design and development of firmware and software for embedded devices: Microchip's PIC microcontrollers, TI's MSP microcontroller, TI's digital signal processors (DSP), Altera's FPGAs.

Experience in the design of low/medium-frequency analog and digital (mixed signals) circuits and boards (acquired from both theoretical courses and participation to many practical projects).

High competence in the use of Microsoft Windows and Linux operating systems.

Experience in the use of the following computer programming languages: C/C++ (in particular), MATLAB, VHDL, VERILOG, BASIC, Python, Lua, PHP, SQL, XHTML, CSS. Programming experience was acquired with participation to many open source projects and attending several computer science courses.

Experience in the use of Electronic Design Automation (EDA) software: Cadsoft EAGLE, Cadence OrCAD, Cadence Virtuoso, Agilent ADS, Altera Quartus II, Texas Instruments Code Composer Studio.

Experience in the use of MATLAB, MATLAB/Simulink, Microsoft Visual Studio, Microsoft Office software packages.

Driving licence

European driving license