

# DIEGO RUSSO

## CURRICULUM VITAE

updated *January 2011*



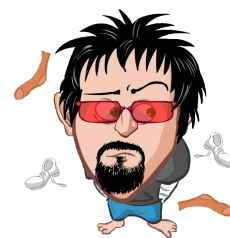
# Europass Curriculum Vitae

## Personal information

First name(s) / Surname(s)  
Address(es)  
Telephone(s)  
Email(s)  
Website  
Nationality(-ies)  
Date of birth  
Gender

## Diego Russo

Via G. Garibaldi 40, 05021, Acquasparta (TR), Italy  
+39 0744 930614 Mobile: +39 334 5873886  
me@diegor.it - (gtalk, MSN)  
<http://www.diegor.it>  
Italian  
April 30, 1983  
Male



## Desired employment / Occupational field

I am looking for a position where I can express and use my passion for programming and technology. I mostly develop in Python/Django using OSX and Linux daily. Available for positions that give me personal and professional growth.

## Work experience

Dates  
Occupation or position held  
Main activities and responsibilities

### From December 2006 to August 2008, from September 2009 to June 2011

#### Python/Django Programmer

Working in a team, I developed a management application for the municipality of Bettona using Django, Python, PostgreSQL, Linux, Apache, for the **computerization of services**, the management of personal data, building practices, urban planning, calculation of ICI tax and updating of land registry data. Also I created an advanced web interface for sending proposed practices, on-line services conference, integration process, exploration of cadastral map in **DXF** and production of customized an automated printing.

During the project I used revision control systems (SVN/GIT) with related web interface (trac) to manage tickets.

Consortio Miles - Servizi Integrati, CF 04881101002, Via Rocca di Papa 21, Rome <http://www.consortio-miles.com/arianna/>

Integrated Services for Public Administration

Name and address of employer

Type of business or sector

Dates  
Occupation or position held  
Main activities and responsibilities

### From April 26, 2008 to February 15, 2011

#### Programmer and System Engineer in Research and Development Department

Working in a research and development team to create of a innovative and unique product in the wireless communications market (WiFi), I initially worked on **embedded systems** (ubnt, alix, pcengines), customizing the operating system (ubnt, openwrt) and the softwares to manage authentication (hostapd, wpa-suplicant). After this first phase, I focused on the of software **to flash** these devices and on large-scale production software.

Also, we developed a complete solution for managing **hotspots**: I worked on server-side development to manage authentication, sessions log, signups, signals management from remote devices, integration with our management software, payment via credit card and authentication via SMS, complying with Pisanu law. My final task was to create software for network monitoring. It is a **PyQT stand-alone** application, using internal django based API.

The technologies mostly used are Python/Django with PostgreSQL database on Debian OS virtualized on XEN

Forinicom srl, Via del Popolo, 9 Bastia Umbra, 06083, 0758001868, <http://www.forinicom.it>

Telecommunication

Name and address of employer

Type of business or sector

Dates  
Occupation or position held  
Main activities and responsibilities

### From November 2010 to January 2011

#### Python/Django Programmer

Setting up an **Adult WebTV** entirely developed in Python/Django with PostgreSQL database on Linux/Apache platform and Red5 as streaming server. The work is managed independently using Git as revision control system.

Exion Sagl - Via Cantonale 2b - 6928 Manno, Switzerland, <http://www.exion.ch/>

IT solutions

Name and address of employer

Type of business or sector

Dates  
Occupation or position held  
Main activities and responsibilities

### From October 2010 to January 2011

#### Python/Pylons Programmer

Implementing new features, bug fixing, structural changes to the site of Sauce Labs. Distance work coordination site is developed in Python/Pylons using [github.com](http://github.com) as revision control system platform.

Sauce Labs Inc - 500 Third St., San Francisco, CA 94107 USA, <http://saucelabs.com/>

Cross Browser Testing in the Cloud

Name and address of employer

Type of business or sector

Dates  
Occupation or position held  
Main activities and responsibilities

### From July 30, 2006 to December 30, 2006

#### Undergraduate student: Wireless Broadband Network - Weconnect project

The thesis was to develop a WiFi network in order to coverage **digital-divide** areas. Thanks to this project, I acquired a wide knowledge about WiFi networks and their behavior, legislation that governs the operation, RouterOS operating system ([www.mikrotik.com](http://www.mikrotik.com)), AAA protocol and Radius server. Finally I administered a server for the provision of various network services: mail (Postfix), web server (Apache), DNS (pdns), firewall (iptables), database (PostgreSQL), hotspot (Chillispot), Debian OS, Voyage (OS for embedded Debian based system).

WEDOIT s.a.s. - Via Protomartiri Francescani, 26 - 06088 Assisi (PG), <http://www.wedoit.us>

IT solutions

Name and address of employer

Type of business or sector

Dates  
Occupation or position held  
Main activities and responsibilities

### From 14 November 2005 to 30 May 2006

#### Trainee - S.E.O. Search Engine Optimization

Working in a team I acquired knowledge of S.E.O. and its behavior. The internship included S.E.O. optimization of various websites, using *pagerank* and *link popularity* methods. Also I worked as a system engineer of Debian-based virtualized server and I developed a S.E.O. oriented application in Python and PHP.

WEDOIT s.a.s. - Via Protomartiri Francescani, 26 - 06088 Assisi (PG), <http://www.wedoit.us>

IT solutions

Name and address of employer

Type of business or sector

Dates  
Occupation or position held  
Main activities and responsibilities  
Name and address of employer

### March 2002

#### Trainee combined with IFS project, Impresa Formativa Simulata (Enterprise Training Simulation)

Administration of enterprise network

IOSA CARLO S.r.l. - 05100 TERNI - Via Pallotta n. 7 - Tel. (0744) 2460 - Fax (0744) 246035 - P.IVA 00072550551 - <http://www.iosacarlo.com> - [iosacarlo@iosacarlo.com](mailto:iosacarlo@iosacarlo.com)

## Education and training

Dates  
Title of qualification awarded  
Principal subjects/occupational skills covered

### Since October 2008

Enrolled on course, with mayor in Computer Science, "Security"

Passed following exams with mark:

- Simulation: 30 cum laude
- Advanced programming: 30 cum laude
- Advanced Operating Systems: 30 cum laude
- Advanced Operating Systems Laboratory: 30 cum laude

University of Perugia, Computer Science department, <http://informatica.unipg.it>

### May 2010

**Diploma de Español como Lengua Extranjera (D.E.L.E.)** - Diploma in Spanish as a foreign language

The skills achieved are as follows:

- reading comprehension and written expression: 32.5 points out of 35.0
- grammar and vocabulary: 17.33 points out of 20
- comprehension and oral expression: 44.32 points out of 45

Instituto Cervantes, C/ Alcalá 49, E-28014 Madrid (Spain), <http://www.cervantes.es>

### B1 Level<sup>1</sup>

### From October 14, 2009 to May 26, 2010

Certificates of attendance 42/50 hours of the 3<sup>rd</sup> and 44/50 hours of the 4<sup>th</sup> modules of a Spanish language course

The skills achieved are as follows:

- can understand the main points of clear standard speech on familiar matters
- able to describe experiences and events, reasons and projects
- can deal with most situations likely to arise whilst traveling in an area where the language is spoken
- understand sentences and frequently used expressions related to areas of most immediate relevance
- can describe in simple terms aspects of their history and own experiences
- can speak of the surrounding environment and be able to express needs, intentions and predictions

Comprehensive School "Volumnio" Ponte San Giovanni - Perugia

### From August 2009 to March 2010

Paper publication "**The AES implementation based on OpenCL for multi/many core architecture**"

Preparation and publication of "The AES implementation based on OpenCL for multi/many core architecture" paper for the yearly conference ICCSA 2010 ([www.iccsa.org](http://www.iccsa.org)) at Sangyo University, Fukuoka in Japan. The paper discuss the implementation of an AES algorithm that runs on NVIDIA/ATI graphics card.

University of Perugia, Computer Science department, <http://informatica.unipg.it>

### From February 2007 to July 2007

Radio-amateur **class A license**

During the course for radio-amateur i acquired excellent knowledge of radio technology basics, radio devices and its usage and basics of Physics and Chemistry (magnetism, elettromagnetism)

C.I.S.A.R. Foligno's section

PASSED, International Callsign **IZ0OVB**

### From 19 March 2007 to 23 March 2007

Certificate of attendance, **Spanish course**

During the time in Madrid, I studied Spanish grammar and general Spanish culture.

Inhispania Intlanca S.L / CIF:B83744847 , Montera 10-12, 1-1. 28013, Madrid (Spain)

### A2<sup>2</sup> Level

### 01-02-03 December 2006

Certificate of attendance: **ISO certifications course**

Training course on security and ISO certifications, covering ISO 27001:2005, policy for Information Security, Risks Analysis (RA), analysis of controls of ISO 17799:2005, Risk Transfer Process (RTP), certification process, overview of existing certification audits, audit plan and checklist, audit report, a look at future certifications.

WEDOIT s.a.s. - Via Protomartiri Francescani, 26 - 06088 Assisi (PG), Italy, <http://www.wedoit.us>

### From October 2002 to November 2006

**Bachelor Degree in Computer Science**

Computer science Bachelor Degree, **mayor "Network"**:

- Mathematics (analytical and discrete)
- Programming (C, Java, Php, html, xml, xsl, dtd, Pascal, scripting bash and csh, VB.NET, VRML)
- Databases (Mysql, MS Access and related programming language)
- Networks (ATM, xDSL, Mpls, X.25, Frame Relay), types (wireless, wired) and interaction between them
- Knowledge of multimedia system
- Overview of parallel computing (mpi)

University of Perugia, Computer Science department, <http://informatica.unipg.it>

**102/110**

### From September 1996 to June 2002

**Accountant programmer Diploma (Mercurio project)**

Name and type of organization  
providing education and training

Dates

Title of qualification awarded  
Principal subjects/occupational skills covered

Name and type of organization  
providing education and training

Level in national or international  
classification

Dates

Title of qualification awarded  
Principal subjects/occupational skills covered

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providing education and training

Level in national or international  
classification

Dates

Title of qualification awarded

<sup>1</sup>Evaluation according to "Instituto Cervantes de Madrid"

<sup>2</sup>Evaluation according to "Common European Framework of Reference for Languages"

Principal subjects/occupational skills covered

Name and type of organization providing education and training

Level in national or international classification

Dates

Title of qualification awarded

Principal subjects/occupational skills covered

Name and type of organization providing education and training

## Personal skills and competences

Mother tongue(s)

Other language(s)

*Self-assessment*  
*European level<sup>(\*)</sup>*

**English**

**Spanish**

Social skills and competences

Organizational skills and competences

Computer skills and competences

Artistic skills and competences

Other skills and competences

Licence(s)

## Additional information

## Attachment

Matters covered by the course (Commercial technical institute) of study as defined by the Ministry of Public Education: Chemistry / Physics, Mathematics and Computer Laboratory, Natural Science, Word processing and data, Second foreign language (French), Law and Economics, Business, Economics and Financial Science, Italian Language and Literature, History, Computer Management, Applied Mathematics, First foreign language (English), Law.

Ministry of Public Education - I.T.C. (Commercial technical institute) "Federico Cesi", Terni (TR), Italy

**85/100**

### From 2001 to 2002

Certificate of attendance of the National Project IFS (**Enterprise Training Simulation**)

Simulation of waste disposal firm, backed by Iosa Carlo S.r.l. (<http://www.iosacarlo.com>). Within the project I coordinated the work of all students, building the simulated organization chart and programming the website.

Ministry of Public Education - I.T.C. (Commercial technical institute) "Federico Cesi", Terni (TR), Italy

## Italian

### English, Spanish

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B1	Independent user	B1	Independent user	A2 B1	Basic user Independent user	A2 B1	Basic user Independent user	B1	Independent user
B1	Independent user	B1	Independent user	B1	Independent user	B1	Independent user	B1	Independent user

<sup>(\*)</sup> Common European Framework of Reference (CEF) level

Working usually in a team, I have a constructive and collaborative relationship with the people around me, such as colleagues and collaborators. I am sociable, friendly and with good communication skills; my site is a source of continuing social contact and exchange with other technical and less technical people.

Determined, I can work both in a team and individually. I am able to manage independently my workflow.

Because of **my passion for computing**, I have developed over the years wide range of skills many areas computer-related. During the years of higher education, beyond academic success, I created and maintained an **above average** extra-curricular activity: among other initiatives in which I participated, I remember "The basic course on multimedia", "Exposcuola 2000 in Paestum", "Basic computer as tutor role", "Computer literacy course as tutor to senior people (over 65 years old)", "XI week of scientific and technological culture", "Pluto Meeting 2001" and "Main tutor of a group of 6 people for the course of IMPROVING ITALIAN for new students in the project "Reception, Recovery, Empowerment in early grades"". In all the projects mentioned, I participated actively devoting time and effort in learning new things about new information technology and other subjects.

From the moment I had my first computer, I have had a certain passion for the **open source** world and all that concerns it: in fact I have managed machines with **Linux** distributions such as RedHat 7.3, Slackware 7.1 up to machines to Debian (from version 3.0 to current ones). Through this experience I have gained skill and knowledge in the management of Linux: bash scripting, configuring and compiling the kernel, network services, patching the kernel, C language. In addition to Linux, I daily use OSX. Given the continued use and my passion for computers, I have undertaken in-depth study of the latter. I was active as a contributor to the writing of the guide <http://www.ubuntuemplice.org/> (version 6.06 and 7.10). On this project I was the reviewer and author of several chapters, I administered the machine that hosts the site, wiki, blog and mailing list.

**I also have a great passion for programming languages:** I know many of them in several areas such as Python, C, PHP, Java, LSL (Linden Scripting Language). I studied LSL during my work on **Second Life**: in fact I have worked on many Italian metaverse project such as Assis <http://www.secundavita.it>, Milan and Marostica on the **"Italia Vera"** project. I have a good knowledge of graphic applications (Gimp, Photoshop) and office tools such as Openoffice.org and iWork (for OSX)

- Learning the Spanish language by myself
- Amateur photos
- Music (hobby level)

- Curious by definition
- Music
- Willing to learn and study
- Attraction for science in general

- Driving license type B.
- Operator license for amateur radio station class A (nr. 020122/AN), International callsign **IZ0OVB**

- comply with compulsory military service (referring to studies)
- Linux Registered User #399008
- ordinary member of the LUG Perugia
- AVIS (Blood Donor Italian Association) ordinary member
- marital status: single

No attachments