



Europass Curriculum Vitae

Personal information

| | |
|------------------------|--|
| First name and Surname | Salvatore Frandina |
| E-mail | salvatore.frandina@protonmail.com |
| Website | http://frandinas.altervista.org |
| Nationality | Italian |
| Date of birth | 14 March 1985 |
| Gender | Male |



Desired employment / Occupational field

Telecommunications Engineer – Renewable Energy Engineer

Work experience

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|------------------------------|--|
| Dates | 09/09/2013 - 30/06/2015 |
| Occupation or position held | Secondary School Teacher |
| Name and address of employer | Istituto Superiore Valdichiana Via Santo Stefano 44, 53043 Chiusi (Italy) |
| Type of business or sector | Education |

| | |
|------------------------------|---|
| Dates | 24/08/2009 - 24/03/2010 |
| Occupation or position held | Internship |
| Name and address of employer | AMTEC s.p.a. Company Elsag Datamat Group - Finmeccanica Via Federico Hamman 102, 53021 Abbadia San Salvatore (Italy) |
| Type of business or sector | Telecommunications Engineering |

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|------------------------------|---|
| Dates | 23/07/2007 - 30/11/2007 |
| Occupation or position held | Internship |
| Name and address of employer | Department of Information Engineering - University of Siena Via Roma 56, 53100 Siena (Italy) |
| Type of business or sector | Electronic Engineering |

Education and training

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|--|---|
| Dates | 01/10/2010 – 27/02/2015 |
| Title of qualification awarded | PhD in Information Engineering |
| Principal subjects / occupational skills covered | Research in Artificial Intelligence - Thesis title: Developmental Visual Agent - Video Scene Semantic Labeling using Deep Learning and Learning from Constraints - Supervisor: M. Maggini |
| Name and type of organisation providing education and training | University of Siena, Department of Information Engineering and Mathematical Science Via Roma 56, 53100 Siena (Italy) |
| Level in national or international classification | ISCED 6 |

| | |
|--|--|
| Dates | 04/12/2007 - 26/04/2010 |
| Title of qualification awarded | Master Degree: Telecommunications Engineer - 110 / 110 cum laude |
| Principal subjects / occupational skills covered | Thesis title: Videoconference for the Asterisk iPBX: study and implementation - Supervisor: A. Andreadis |
| Name and type of organisation providing education and training | University of Siena Via Roma 56, 53100 Siena (Italy) |
| Level in national or international classification | ISCED 5 |

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|--------------------------------|---|
| Dates | 01/10/2004 - 03/12/2007 |
| Title of qualification awarded | Bachelor Degree: Telecommunications Engineer - 110 / 110 cum laude |

Principal subjects / occupational skills covered
 Name and type of organisation providing education and training
 Level in national or international classification

Thesis title: Implementation on FPGA of a control system for increasing the entropy of random bits generator - Supervisor: V. Vignoli
 University of Siena
 Via Roma 56, 53100 Siena (Italy)
 ISCED 5

Dates
 Title of qualification awarded
 Name and type of organisation providing education and training
 Level in national or international classification

10/09/1999 - 01/07/2004
 Industrial expert technician specialized in Electronic and Telecommunications - 100 / 100
 I.T.I.S. Tito Sarrocchi (Technical College)
 Via Carlo Pisacane, 53100 Siena (Italy)
 ISCED 4

Personal skills and competences

Mother tongue(s)
 Other language(s)

Italian
English: C1 level of CEFR and terminology of the field of ICT
 02/12/2014 Certificate C1 USiena Open - University of Siena
 B1 level of CEFR and terminology of the field of ICT
 13/07/2007 Certificate PET ESOL Examinations - University of Cambridge

| Self-assessment <i>European level</i> (*) | | Understanding | | Speaking | | | | Writing | | |
|--|----|---------------|---------|--------------------|----|-------------------|-----|---------------|-----|---------------|
| | | Listening | Reading | Spoken interaction | | Spoken production | | | | |
| English | C1 | Advanced user | C1 | Advanced user | C1 | Advanced user | B2+ | Advanced user | B2+ | Advanced user |

(*) [Common European Framework of Reference \(CEF\) level](#)

Social skills and competences

Effective in multicultural communications. I adapt well to multicultural environments. 2002 B.L.S. First Level Certificate

Organizational skills and competences

A wide range of experience in project management, organizational skills and planning activities

Computer skills and competences

Operating Systems: GNU/Linux Ubuntu/Debian (advanced user) - Windows XP, Vista, 7 (advanced user)
Programming and scripting languages: C/C++ (average user) - Java (basic user) - Unix shell (basic user)
Computing and development environments: MATLAB (average user) - Eclipse (average user) - GCC (average user) - SVN (basic user) - LabVIEW (basic user) - Quartus II (basic user)
Network protocols: HTTP, SIP, RTP, RTSP, TCP, UDP, IP, Ethernet, Wi-Fi (average user)
Projects and Libraries: Asterisk (average user) - STL (average user) - Boost C++ library (basic user) - pthread and OpenMP (basic user) - OpenCV (basic user)
Electronic Design: VHDL FPGA (basic user) - OrCAD Capture CIS, Layout Plus, Pspice (basic user)
Markup languages: HTML (basic user) - LaTeX (average user)
Applications: LibreOffice and Microsoft Office (advanced user) - VLC (average user) - GIMP (average user)
Other: advanced experience and knowledge of PC components, peripherals and networking

Awards and scholarship

03/2011 - Award "Renato Mariani" AEIT 2011 - Best engineering student of University of Siena, Italy
 2010-2013 Three years Ph.D. Scholarship at Department of Information Engineering, University of Siena, Siena, Italy.
 Research area in Artificial Intelligence (adaptive systems for information processing)

Other interests

Agriculture and biosustainability, supporter of UNICEF, Greenpeace, WWF, Kiva, Slow Food, electronics, informatics (hardware) and physics, athletics and football, distributed computing (BOINC, GIMPS) and chess

Additional information

Driving license B, single, exonerated from duty of military services