

Salvatore Frandina - Curriculum Vitae



Personal Information

Salvatore Frandina
Born in Siena on 03/14/1985
Nationality: Italian
E-mail: salvatore.frandina@protonmail.com
Website: <http://frandinas.altervista.org>

Education and training

27/02/2015 **PhD in Information Engineering** - research area in Artificial Intelligence (adaptive systems for information processing) - Department of Information Engineering, University of Siena, Siena, Italy - Thesis title: Developmental Visual Agent - Video Scene Semantic Labeling using Deep Learning and Learning from Constraints - Supervisor: M. Maggini

26/04/2010 **Master Degree: Telecommunications Engineering 110 over 110 cum laude** - Department of Information Engineering, University of Siena, Siena, Italy - Thesis title: Videoconference for the Asterisk iPBX: study and implementation - Supervisor: A. Andreadis

06/2009 Image Processing project: Comparative study of retinal vessel segmentation methods - Department of Information Engineering, University of Siena, Siena, Italy - Supervisor: A. Mecocci

12/03/2007 **Bachelor Degree: Telecommunications Engineering 110 over 110 cum laude** - Department of Information Engineering, University of Siena, Siena, Italy - Thesis title: Implementation on FPGA of a control system for increasing the entropy of random bits generator - Supervisor: V. Vignoli

01/07/2004 Secondary School Certificate: Industrial expert technician specialized in Electronics and Telecommunications 100 over 100 - I.T.I.S. "Tito Sarrocchi" of Siena, Italy

Work experience

Teacher: Teacher of Electrotechnical and its Applications and Computer Science - Italian Secondary School Istitute I.I.S. Valdichiana Chiusi, Siena, Italy
Total time: from 09/09/2014 to 30/06/2015

Internship: Telecommunications Engineer - AMTEC s.p.a. - Eltag Datamat Group - Finmeccanica, Abbadia San Salvatore, Siena, Italy
Total time: from 24/08/2009 to 24/03/2010

Internship: Undergraduate Student - Electrical and Electronics laboratory - Department of Information Engineering, University of Siena, Siena, Italy
Total time: from 23/07/2007 to 30/11/2007

Languages knowledge

Italian: mother tongue
English: C1 level of CEFR and terminology of the ICT area
02/12/2014 Certificate B2+ USiena Open - University of Siena
B1 level of CEFR and terminology of the ICT area

13/07/2007 Certificate PET ESOL Examinations - University of Cambridge

Spanish: A2 level of CEFR

Informatics knowledge

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 scripting (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

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)

03/2011 - Award "Renato Mariani" AEIT 2011 - best engineering student of University of Siena, Italy

Courses

02/2012 - PRACE Winter School - Hybrid Programming on Massively Parallel Architectures – Cineca Bologna, Italy

Personal Characteristics

Initiative, determination, reliability, motivation to learn

Extra-professional 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

2002 B.L.S. First Level Certificate, Car Driving License, single, exonerated from duty of military services

I authorize the personal-data processing to respect of the Italian laws currently in force.

Signature