

CURRICULUM VITAE

CARLO D. CERIANI

CONTACTS AND PERSONAL INFORMATION

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nationality: Italian
date of birth: april 30th, 1975
place of birth: Turin - Italy
gender: male
civil status: single

EDUCATION AND TRAINING

- Jul '07 Politecnico di Torino, Third School of Engineering - Information Technologies, Turin.
Getting through of the qualification exam for the Engineers Professional Register enrolment (section A) and registration at the Ordine degli Ingegneri della Provincia di Torino (September '07).
- Oct '98 - Apr '07 Politecnico di Torino, Third School of Engineering - Information Technologies, Turin.
Master of science in electronic engineering with marks 106/110.
Main skills acquired: analog and digital systems design and testing, microprocessor architectures, programming languages.
Thesis: "*LISARM: embedded ARM platform design and optimization*", developed at VLSILab, Electronics Department - Politecnico di Torino.
Concise thesis description: design of an extensible processor for embedded applications with Application Specific Instruction-set Processor (ASIP) approach, full compliant with ARM-7 commercial core instruction-set.
- Sep '91 - Jul '96 Istituto professionale di Stato per l'industria e l'artigianato (IPSIA) "G.Plana", Turin.
Secondary School Diploma of "electric and electronic industry technician" with marks 60/60.
Main skills acquired: analog and digital electronic systems design and installation, sensing and control systems implementation for industrial applications, electric installations in residential and industrial field.
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WORK EXPERIENCE

- since Feb '08 Akronos Technologies S.r.l. consultant, employed as brake system engineer e project responsible engineer at Faiveley Transport Italia S.p.A. - Piosasco (Turin), System Italy.
Main tasks: design of brake systems for vehicles intended for railways and urban transport on rail; integration of electronic, electropneumatic, electromechanic subsystems for brake equipments control. Gathering and analysis of customer technical specification and translation of the

requirements in internal technical/functional specification documents
Definition for brake system and subsystem components characteristics, of
pneumatic and electric drawings, of electronic brake control units
configuration and brake system control software. Customer and suppliers
relations management, technical support to the Project Management,
integration tests, commissioning, static and dynamic tests on lab testbench
and on vehicle, support to the customer during train homologation phase.

Projects ongoing and concluded:

- AnsaldoBreda E403 locomotive (final customer Trenitalia): dynamic tests,
commissioning and brake system control software specification tuning.

- Koncar City Train: EMU train for Croatian and Bosnian railways built by
Koncar (Zagreb): system and control software specification definition,
integration and communication on CAN bus tests, type tests supervision on lab
testbench and on-vehicle commissioning.

- HSA-AnsaldoBreda V250 High Speed EMU: high speed train for Dutch and
Belgian railways (final customer: NS HighSpeed/NMBS): partial commissioning
supervision, static and dynamic tests on-vehicle, brake system control
software validation, brake system technical specification writing.

- High speed platform New Pendolino Alstom: Customer specification analysis
and technical dossier preparation for tender phase, definition of control units
configuration, pneumatic and electric drawings.

- Metro Fortaleza EMU: metropolitan train for Fortaleza City (Brasil): technical
offer preparation, brake system and control software specification, static and
dynamic tests, brake system control software validation.

- Jun '07 - Jan '08 Akronos Technologies S.r.l. consultant, employed in Bitron S.p.A. - Unità di
Grugliasco - Grugliasco (Turin) - Quality engineering department.
Main tasks: electronic measurements with laboratory instruments, oriented to
the supplying quality assurance, components characterization and
qualification; supplier relations management, internal production problems
analysis.
- Jun '06 - Oct '06 Pubblica Assistenza Croce Verde Torino, Turin.
"118 Piemonte - Emergenza Sanitaria" health system rescuer/driver, full-time.
- Oct '02 - Jul '05 Politecnico di Torino, 3rd and 4th Schools of Engineering, Turin campus.
Assistant for University didactics support, part-time.
Student assistance in computer laboratories for computer science elements
and C-language programming courses.
- Oct '03 - Apr '06 GRANClima S.a.s., Grugliasco - Turin.
Heating systems maintenance in residential buildings, part-time.
- Sep '98 - Feb '02 Bocchio Luciano S.r.l., Turin; New Unifire S.a.s., Turin; Global S.r.l., Turin.
Fire prevention/extinction systems maintenance in residential buildings and
industrial plants, accident prevention measures, part-time.
- Oct '97 - Apr '98 Eco-Clima, Divisione della Comnafta Giachino S.r.l., Turin.
Heating and conditioning systems maintenance in residential buildings and
industrial plants, full-time.
- Oct '94 - Apr '96 SICLA S.p.A., Grugliasco - Turin; Unicalor S.a.s., Turin.
Heating systems maintenance in residential buildings, part-time.

PROFESSIONAL SKILLS AND EXPERTISE

Mother tongue: Italian.

Other languages:

- English, University of Cambridge Preliminary English Test (PET) certification ("Common European Framework of Reference for Languages" level B1) obtained on June 2005 with result "pass with merit"; University of Cambridge First Certificate in English (FCE) certification ("Common European Framework of Reference for Languages" level B2) obtained on July 2009; attending an advanced level course at British School of English in Turin to get the University of Cambridge Certificate in Advanced English (CAE) ("Common European Framework of Reference for Languages" level C1).

- Spanish: attended beginners language course at Università Popolare di Torino during academic year 2009/2010.

Technical skills: analog and digital electronic systems design and testing, microprocessor architectures, microcontroller based embedded systems design, Assembly and C microcontrollers programming, electrical equipment design and implementation in residential and industrial fields, automation and industrial control systems installation.

Computer science skills: Windows and Linux/Unix operating systems, most common publishing (LATEX), graphics and office automation software, Matlab, Simulink, C/C++ and HTML programming languages, basic knowledge of PHP, SQL and related development environments, VBA /Excel Macro programming, VHDL hardware description language, basic knowledge of Verilog, digital circuits synthesis and simulation environments (ModelSim).

Other skills: certified rescuer of "118 Piemonte - Emergenza Sanitaria" health system.

ADDITIONAL INFORMATION

Military Service: partial discharge since September 19th, 1997.

Driving license: cat. B vehicles issued on 30/09/93, cat. C vehicles issued on 31/10/97.

Qualifications: registered member of the section A of the Engineers Professional Register at the "Ordine degli Ingegneri della Provincia di Torino", qualified for information technologies, industrial, civil and environmental professional sectors.

Sports: running, swimming, snowboarding.

Voluntary work/Associations: rescuer/driver volunteer, member of Croce Verde Torino public assistance association since November 2004.

Willing for work travel and possible transfers in Italy and abroad.

Current employment: Akronos Technologies consultant working at Faiveley Transport Italia S.p.A. - Piosasco (Turin) - Italy