



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **Roberto Pioggia**
Address(es) Via Enzo Pinza, 29 – 48121 – Ravenna - Italy
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E-mail robypiog@gmail.com
Nationality Italian
Date of birth Rome, 05 May 1964
Gender Male

Desired employment / Occupational field

I would like to lead a team for innovation projects involving aspects of data analysis, machine/deep learning and modern operator interfaces.
Experienced and dedicated Automation Department Manager with a proven track record of successfully leading teams to implement cutting-edge automation solutions. Skilled in project management, process optimization, and team collaboration.

Work experience

Dates	September 2023
Occupation or position held	Contract professor at the University of Bologna (Faculty of Engineering - DEI)
Main activities and responsibilities	I am a professor of the "Interaction Design - Web Based HMI" course relating to the third year MECHATRONICS course (Unibo Engineering - Bologna)
Name and address of employer	Alma Mater Studiorum – University of Bologna
Type of business or sector	
Dates	May 2017
Occupation or position held	R&D Automation Manager
Main activities and responsibilities	Team Leader of the "FMP Common Software" project for the creation of a new and modern operator interface (based on WEB architecture), new automation systems for the asphalt plant. Furthermore, I am Team Leader of the "Predictive Maintenance" project based on EDGE technology and uses machine/deep learning algorithms. Coordination of the design activities of asphalt production plants involving electrical, electronic and software aspects
Name and address of employer	MARINI - Fayat Group Via Roma, 50 48011 Alfonsine (RA) - Italy
Type of business or sector	Manufacturer of asphalt production plants
Dates	From December 2013 until April 2017
Occupation or position held	R&D Automation Manager

Main activities and responsibilities	<p>The main activities in the role of Automation Department Manager within the company are the following:</p> <ul style="list-style-type: none"> - Coordination of activities carried out by 15 colleagues. - Preparation of firmware/hardware design guidelines (with technical training (hardware and firmware) for junior designers). - Operational instructions for standardization of activities within the office. - Product certification process (in European (CE and IMQ), North American (CSA / UL) - Definition of the hardware/software architectures used within the packaging machines. - Definition of requirements relating to machine connectivity (Bluetooth Low Power, Wi-Fi, UMTS) and use of the "Clouds" platform for remote assistance. - The definition of a communication plan with clear and reasonable contents and timing;
Name and address of employer	<p>GRUPPO FABBRI VIGNOLA Spa Via per Sassuolo, 1863 41058 Vignola (MO) - Italy</p>
Type of business or sector	<p>Manufacturer of food packaging machines</p>
Dates	<p>From December 1999 until December 2013</p>
Occupation or position held	<p>R&D Electronic/Software Manager</p>
Main activities and responsibilities	<p>The main activities of my role within the company are the following:</p> <ul style="list-style-type: none"> - Team Leader in projects with a prevalence of electronic expertise in the electro-medical field - Certification and registration of electro-medical products (in European (CE and IMQ), North American (CSA / UL) and Japanese (JIS)) - Training on technical standards within the R&D office - Technical training (hardware and firmware) in the electronic office - Participation as a member of CEI committees on electro-medical standards - Preparation of firmware/hardware design guidelines - Lean Design: creation and improvement of hardware and firmware design procedures (methods, indicators, improvement actions) - Operational instructions for standardization of activities within the office
Name and address of employer	<p>CEFLA sc – CEFLA DENTAL GROUP Via Bicocca, 14/C 40026 Imola BO - Italy</p>
Type of business or sector	<p>Manufacturer of medical equipment for dentists</p>
Dates	<p>From March 1996 until November 1999</p>
Occupation or position held	<p>Hardware/Software Engineer</p>
Main activities and responsibilities	<p>The main activities of my role within the company are the following:</p> <ul style="list-style-type: none"> - Coordination of hardware and firmware design activities - Electronic design using FPGA (Xilinx, Altera) - HW/FW digital design of 8/16 bit microprocessor boards - Product certifications with electro-medical standards (Europe and North America)
Name and address of employer	<p>TECHNOGYM Via Peticari, 20 47035 Gambettola FC - Italy</p>
Type of business or sector	<p>Manufacturer of fitness and rehabilitation equipment</p>
Dates	<p>From October 1993 until January 1995</p>
Occupation or position held	<p>Hardware/Software Engineer</p>
Main activities and responsibilities	<p>The main activities of my role within the company are the following:</p> <ul style="list-style-type: none"> - Digital hardware designer - ASIC designer - Basic Firmware Development
Name and address of employer	<p>DATALOGIC Via Candini, 2 40012 Lippo di Calderaia BO - Italy</p>
Type of business or sector	<p>Manufacturer of industrial identification tools</p>

Education and training

Dates From September 1984 until March 1990
Title of qualification awarded Doctor in Electronic Engineering – Specialization in Microelectronics
Rating: 100/100 praise
Principal subjects/occupational skills covered Thesis title: Graphic representations of device simulations obtained using the Monte Carlo method
Name and type of organisation providing education and training University of Bologna – Faculty of Electronic Engineering

Dates From September 1979 until June 1983
Title of qualification awarded Industrial Expert in electronics
Rating: 60/60
Name and type of organisation providing education and training Industrial Technical Institute
 Cesena - Italy

Personal skills and competences

Mother tongue(s) **Italian**

Other language(s) **English**

Self-assessment

English

Understanding		Speaking		Writing	
Listening	Reading	Spoken interaction	Spoken production		
Good	Excellent	Good	Good	Excellent	

Social skills and competences

- Good ability to work within a project team.
- Easy adaptability to multicultural environments
- Simplicity of language in communication

Organisational skills and competences

- Organization of work within a group
- Management of the entire development cycle of a new product
- Good ability to manage cross-functional teams

Technical skills and competences

- Interaction Design - Web-based HMI
- Machine Learning and Deep Learning.
- Project Management
- PLC programming (SIEMENS)
- Web languages :HTML, CSS, JavaScript, React
- Software languages: Python, Java, C
- Team leadership
- Data analysis
- Automation design
- Risk assessment

Additional information

- SUMMIT: How to lead/manage your collaborators
- SUMMIT: Service quality – The Human Factor
- GECOS: Design of Experiments
- GECOS: Principles and Techniques of Project Management
- SDA Bocconi: New Product Development Management
- SOA: Designing Reliability
- IMQ: Software Validation – Methodologies and Formalisms for the software project (Reliability, Security and Self-diagnosis)
- IMQ: The EN ISO 14971 standard
- IMQ: Application of the EMC directive
- IMQ: Directive 93/42 on medical devices
- IMQ: Rules and Legislative Requirements for access to the North American market (USA and CANADA)
- IMQ: CFR Title 47 – Part 18: Industrial, scientific and medical equipment
- CERMET: FDA and medical devices
- IMQ: Manage product technical documentation.
- INLINGUA: English Course – APP Professional Programme

Ravenna, 16/04/24

Name and Surname (Signature)

A handwritten signature in blue ink, reading "Roberto Pioggia". The signature is written in a cursive style with a large, stylized 'P'.