

CURRICULUM VITAE



Personal information

First name and surname **Marco Caggiano**
Address Via Della Ghisiliera, 27
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Personal website www.mkweb.it
Nationality Italian
Date of birth 16/05/1986
Gender Male



Qualification **Automation Engineer**

Work experience

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|----------------------------|--|
| Dates | April 1 st , 2013 → |
| Position held | Automation Engineer - Consultant |
| Main activities | Design, testing and qualification of automation systems for naval applications. Development of control systems and HMI on PLC for marine steering gear and autopilot. Implementation of a SCADA for softPLC with OPC standard. Remote control of unmanned surface vehicles (USV). |
| Company | SEGULA Technologies Italia Bologna (BO) - Italy |
| Type of business or sector | Engineering / IT |
| Dates | November 21 th , 2011 → December 20 th , 2011, March 12 th , 2012 → June 30 th , 2012 |
| Position held | Apprentice |
| Main activities | Control of home automation systems and gesture recognition using 3D motion sensors Microsoft Kinect and Asus Xtion Pro and an algorithm based on Kalman Filter. |
| Company | Info Solution S.p.A. Rome (RM) - Italy |
| Sector | Engineering / IT |
| Dates | October 1 st , 2008 → November 30 th , 2008 |
| Position held | Apprentice |
| Main activities | Development of a building automation system with wireless network infrastructure based on Zigbee devices. |
| Company | Metoda Automation S.r.l. Salerno (SA) - Italy |
| Sector | Automation |

International experience

Dates September 29th, 2013 → October 2nd, 2013
Type of activity Work
Place **Brest** (France)
Sector Naval applications

Dates June 1st, 2013 → June 15th, 2013
Type of activity Work
Place **Kolkata** (India)
Sector Naval applications

Dates February 16th, 2011 → September 16th, 2011
Type of activity Erasmus
Place **Universidad de Cantabria**
Santander (Spain)
Sector Industrial Engineering

Education and training

Dates March 2009 → July 2012
Title of qualification awarded **Master's degree in Automation Engineering**
Principal subjects / occupational skills Control systems, industrial robotics, optimal control, dynamic systems, manufacturing automation, industrial electronics.
Training institute Università degli Studi di Roma "Tor Vergata"
Rome (RM) - Italy
Level in national classification 105/110
Thesis title Gesture recognition for home automation applications using 3D sensors.

Dates October 2005 → December 2008
Title of qualification awarded **Bachelor Degree in Computer Engineering**
Principal subjects / occupational skills Design and software development, databases, operating systems, computer networks, digital circuits, electromagnetic fields, analysis and transmission of signals, telecommunications systems, automation and PLC.
Training institute Università degli Studi di Salerno
Salerno (SA) - Italy
Level in national classification 104/110
Thesis title New wireless technologies for command and control of building automation systems.

Dates September 2000 → June 2005
Title of qualification awarded **Scientific High School Diploma**
Educational institute Liceo Scientifico "F. Severi"
Salerno (SA) - Italy

Personal skills and competences

Automation

- Control systems, industrial robotics, optimal control, dynamic systems, manufacturing automation and industrial electronics.
- Programming languages for **PLC (IEC 61131-3)**: IL, Ladder, FBD, ST, SFC, CFC.
- Workbench for automation: **CoDeSys, ISaGRAF, STEP 7**.
- Graphical languages: **LabView**.
- Machine-level languages: **Assembly**.
- Others: **MATLAB, Maxima, Processing**.

Computer skills

- Programming languages:
C, C++: excellent programming skills acquired during software development for remote control of unmanned vehicles, steering gear control systems and autopilot.
JAVA: high level gained with the implementation of an HMI based on openSCADA and OPC standard.
Visual Basic: basic knowledge.
- GUI toolkits: **QT3, QT4**.
- Communication systems:
RS232, RS422, Ethernet, WiFi, WiMax, Radio modem UHF.
- Development environments:
Eclipse, SolutionCenter (Bachmann).
- Software di versioning:
SVN, TortoiseHg (Mercurial).
- Development and management of Web sites:
PHP 4/5, SQL, HTML 4.01, XHTML 1.1, CSS2, ASP, JSP.

General IT skills

- Operating systems: **Linux (Ubuntu), MS-DOS, Windows 9x/NT/2000/XP/Vista/7/8/8.1**.
- Embedded/Real-Time systems: **ELinOS**.
- Microsoft **Office™** (Word, Excel, PowerPoint, Access, Publisher).
- Graphics software: Adobe **PhotoShop™**.

Personal skills and competences

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|---------------------------------------|---|
| Social skills and competences | Ready to teamwork gained during the work experience and with team sports. Flexibility and versatility also due to the interdisciplinary training. Capability of integration and openness to multicultural environments, gained through the experience abroad. |
| Organisational skills and competences | Accuracy and reliability . Ability to design using models and methods acquired during the years of study and put into practice in the work period. Results orientation and problem solving . |
| Other skills and competences | Great determination to achieve desired goals and learning on the fly . Very good logical skills , organizational autonomy and adaptability. |
| Hobbies and personal interests | Travelling and playing football at competitive levels. Particular interest in innovation and new technology, industrial automation and automatic machines, building automation and home automation . Develop websites and software applications. <i>Think about amazing things that maybe one day will be realized.</i> |

Languages

Mother tongue

Italian

Other languages

Self-assessment

European level

English

Spanish

| Understanding | | | | Speaking | | | | Writing | |
|---------------|-----------------|---------|-----------------|--------------------|------------------|-------------------|------------------|---------|-----------------|
| Listening | | Reading | | Spoken interaction | | Spoken production | | | |
| C1 | Proficient user | C1 | Proficient user | B2 | Independent user | B2 | Independent user | C1 | Proficient user |
| C2 | Proficient user | C2 | Proficient user | C2 | Proficient user | C2 | Proficient user | C2 | Proficient user |

Additional information

Qualified engineer - industrial sector.

Availability to movements, to change residence and travelling abroad.

Driving licences

A1, A, B

I declare that the above data are correct and correspond to the truth.

I authorize the processing of my personal and professional data

also with electronic and / or automated modalities, for the purposes of recruitment and selection of staff. anche con modalità elettroniche e/o automatizzate, per le finalità di ricerca e selezione del personale.