EUROPEAN FORMAT FOR CURRICULUM VITAE

PERSONAL INFORMATION

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Web page	**http://www.sromano.altervista.org**
Nationality	Italian
Date of birth	05/10/1992

WORK EXPERIENCE

• Date (06/17)	IBM Client Innovation Center – Roma (RM)
• Occpuation	Big data developer
• Main projects	In IBM Client Innovation Center Italy I'm working as Big Data Developer. I'm enrolled into a project for an important Inusurance company. The project has the objective to create an IoT platform for our customer. Each works on cloud environment and big data cluster. I'm working in an international team with about 30 developer. I realized following software components :1) Data ingestion : creation of a java application to execute the data transfer between different systems (fileSystem or HDFS) ; 2) Data streaming : software component to move data from a Kafka cloud service to HDFS (Flume); 3) Definition of the schedulation of each created software component by using OOZIE scheduler. My team works following the agile development method; we use a shared repository (github) where each one has some issues to complete and we have weekly meeting to update each other with project status
• Date (08/16 – 05/17)	Contract with "ProAndPro" *V. Raffaele Ruggiero 16/BIS street - 80125 Napoli (Italy)*
• Occupation	Machine vision engineer
• Main projects	**Reporting/repair app:** software application able to interact with industrial machine in realtime to: 1) allows to the operators to objectivate machine's scrap; 2) allows the data visualization from Android/Web app. The android app allows to get the informations directly by scanning the item with camera. **Technologies:** VB, Android, Web Technologies **Defects detection on metal surface:** research projects realized for Brembo IT with the purpose of detect defects on metal surface (scratches, blisterings, etc.) **Technologies:** Halcon 12, Machine learning (mlp neural network), Universal Robot.
• Date (03/16 -07/16)	Help Teaching - tutor
• Occupation	Tutor for the exam: "Metodi Matematici per l'Informatica"
• Date (07/15 – 12/15)	Contract with "ProAndPro", V. Raffaele Ruggiero street 16/BIS - 80125 Napoli (Italy)
• Occupation	Software developer – Added new functions to industrial automation software: **dynamic layout page:** created graphic page to show machine's stations and other devices; the user can interact with this page at runtime with drag and drop of components on the page; **log manager**: added a new centralized application to collect logs from various applications of automation process (with VB.net remoting) and to show logs' report; integration of vision strategies realized with **VisionPro** software to check quality of radiators with automation software to analyze/show vision's results.
• Date (02/14-03/14)	Aicas GmbH Haid-und-Neu-Str. 18 76131 Karlsruhe Germany **Erasmus placement**
• Occupation	Software developer – Realized little embedded system with a Raspberry PI to manage a conveyor-belt and a light sensor with a BrickPi library (with related hardware board) andPi4J library.

EDUCATION AND TRAINING

• Date	2014 - 2016
• Title	Master degree in Science of computer – Curriculum Computational intelligence – University of Salerno

• Final grade **110/110 cum laude**

• Date of degree 25/07/2016

• Projects **Multi-voxel pattern analysis** – Analysis of multidimensional fMRI dataset (Clustering (PAM, Linkage), Features Selection, Classification (SVM), Hemodynamic estimation, Neuroelf maps); **HadoopAnalyzerJR** – tool to analyze Hadoop cluster log; **Dispersion Centrality**: social network analysis in python (snap library); **SmartAPI** – tool to support software developer during code phase by suggesting code pattern; **Gestural keyboard for Programming** – android keyboard for Java programmers; **OpenIdeas –** web application with semantic web technologies to share new original Ideas; **ICA to group studies fMRI** – ICA application for multi-subject fMRI studies; **Adisu Connect** – app to receive ADISU (adisu.sa.it) notification directly on android phone/tablet/wear; **Spider-chase**: mobile robot driven by http requests.

• Thesis Neuroscience: fMRI data analysis with machine learning algorithms (http://sromano.altervista.org/tesiMagistrale.php).

• Date 2011-2014

• Title Bachelor degree in Science of Computer to University of Fisciano(SA)

• Final grade 110/110 cum laude

• Date of degree 24/07/2014

• Projects **VViser** – web project in a TEAM of 8 members and with a project manager; **2d game library –** realized a library to support 2d game development (multithreading): **Snake** – realized a version of famous game in C language **More info:** web page, github.

• Thesis I completed my thesis work with prof Vittorio Scarano at ISISLab. I studied about auto-generation of documentation for multi agent simulation-model write in java with MASON library (http://cs.gmu.edu/~eclab/projects/mason/). I realized an Eclipse plugin to autogenerate documentation about simulation model of java program that uses MASON library. More info here http://isis.dia.unisa.it/author/simrom/.

• Date 2006-2011

• Insitute Liceo Scientifico "B. Rescigno" Roccapiemonte(SA) – Conservatorio musicale "G.Martucci" di Salerno

• Title Diploma di maturità scientifica - Diploma di solfeggio and compimento inferiore of piano

LANGUAGES

• Mother tongue **ITALIAN**

• Others **ENGLISH:** *Reading* C1; *Writing* B2; *Speaking* B1 – (erasmus in Germany).

PERSONAL SKILLS

Team working: Experience in IBM CIC in team with more than 30 members; Work experience in P&P (team with 10 members); Aicas experience - Germany (team of 8 members); Other experiences for university projects.

JOB-RELATED SKILLS

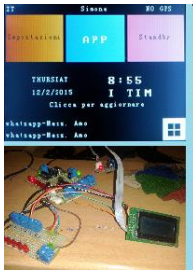
PROGRAMMING LANGUAGE AND TECHNOLOGIES [1 TO 10]:

C (8), Java (9), Visual Basic (9), SQL (8), PHP (8), HTML 5 (bootstrap) (8), CSS 3 (6), JavaScript (7), AJAX (8), XML (9), JSON (6), LaTeX (9), MATLAB (9), Python (snap, pybrain) (6), XSLT (6), Computational intelligence (9), Clustering (9), ICA (8), SVM (9), R-studio (7), Android (7), VisionPro (8), Halcon (10), Rest services (8)), IBM Cloud (8), Maven (7), Big Insight (8), Kafka (9), Flume (9), Avro (8), Oozie (9), OpenWhisk (8)

DATABASE [1 TO 10]:

MySQL (8), PostgreSQL (8), MongoDB (7), SPARQL (8), Firebase (5), HDFS (9), HBase (6)

Other skills



ELECTRONIC:

Pic programming (16f628a): Realized board for pic start-up (5v power supply) and predisposition to serial communication (rs232 protocol) with max232 or with bluetooth hc-05 (integrated with a simple android app). Realized pic programmer.

Arduino programming

Realization of embedded system to: temperature auto control, audio control house, car control (open, close, audio settings with pic 16f628a), ultrasonic alarm (prototype). Some of descripted system are related to simple android app to remote control.

realized remote pc command (web command) with html5, php, ajax, css.

Realized smartwatch (display touch, bluetooth, android app)) www.sromano.altervista.org/sdw/

ARTISITC SKILLS

Pianist (compimento medio of piano), guitarist (autodidact), singer (autodidact).

HOBBY

JOGGING, pianobar, musical compositor (http://www.youtube.com/watch?v=QkNN0EPac_8)

RIVING LICENSE

A1, A2, A3, B

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