



Institute of Christ the Redeemer
Identite Missionaries

Jesús Cevallos



personal info

birth: 30-09-1991 (Quito - Ecuador)
actual residence: Rome - Italy
actual position: Ph.D student in Computer Science Engineering

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• Key Interests

Industrial oriented AI, Big Data analytics, mobile self-adaptive systems, Data Stream Processing, NLP, Neuro-evolution, Visual Machine Learning, HPO meta-heuristics

• Tech & Innovation Analyst at [Elis Consulting & Labs.](#)

Experience

10/2017- actual pos.

Top Recent projects

NLP - Neuro evolution meta heuristics.

[Neuro-evolution techniques for efficient transfer-learning exploitation.](#)

Scalable and efficient neuro-evolution algorithm for increasing effectiveness in neural architecture design of case-specific NN.

Big Data Analytics - Visual Machine learning

[Visual insights for SVM parameter fitting.](#)

Novel visual approach for parameter tuning on SVM predictors for helping the user to visualize the effects of choosing different hyper-parameter setup for SVM estimators.

Android - JavaEE RESTful microservices cloud

[Self-adaptive mobile system for help controlling spans of a high voltage energy distribution network .](#)

Smart MBI provides automatic data synchronization, p2p wireless synchronization & self-adaptive functionalities.

• Web framework Analyst & Developer at [CFP Informatica](#) 12/2013- 09/2014



Web Framework Design and development. Based on **.Net, T-SQL, javascript, bootstrap**, based. Tagweb provides *automatic data binding, form validations, error handling and screen flow logic through simple runtime editable rules on a Db.* **Data Centric Development, accelerating maintenance.**

Jesus has been in CFP for creating a framework that is now used in the company for developing web solutions. He has done his work with **precision, accuracy and commitment**, also giving **valid and useful ideas** for reaching the final result. He is **reliable, loyal**, and has maintained **good relations** with all the company's personnel also after the working period.

Stefano Fiore, owner & CEO at CFP

Studies

Scholarship winner for year 2015/2016: foreign students with a high school diploma issued by a foreign institute of higher education. Released by Tor Vergata University of Rome



University of Rome "Tor Vergata"



- Ph.D Student in Big data analytics.
- Graduated - Msc. Computer Science Engineering
- Graduated - Computer science engineering

- International Baccalaureate Diploma

other Projects & Hard Skills

- Web services for project management & decision making 02/2017
using **JAVAE** microservices, **Spring Security**, **Spring JPA Repositories**, **Hibernate**, **Angular JS**, **Bootstrap**, **ESB**, automatic backups. **GQM+S** meta-framework for aligning strategies through measurement.
other team members: Marco Rosati, Matteo Santangeli, Danilo Fabiani, David Aleandri, Marco Bonuglia. Scrum Master: Prof. Giovanni Cantone
- Social Network analysis & Data Stream Processing 02/2017
using **Apache Storm framework**, **Redis In-memory DB & Amazon Web Services**. project for responding the V **acm** distributed event based systems challenge.
other team members: Matteo Santangeli, David Aleandri
- Transparent man-in-the-middle proxy 02/2016
for **monitoring of network communications** of **android** devices. Implements a **VPN** towards a **TUN** interface.
other team members: Honorine Nakure
- Self-Adaptive android middleware 06/2016
for handling heterogeneous devices & environments in terms of **connectivity**, **energy consumption**, **computational/storage load**. **Android**, **Spring**, **REST**, **Angular-Js**, **Bootstrap**.
other team members: Vanessa Perciballi, Andrea Alessandro
- Social Network Analysis, big data. 07/2017
Java Implementation & evaluation of Chazelle-Rubinfield-Trevisan approximate Algorithm for **sub-linear time calculation of the MST weight**.
other team members: Federico Di Domenicantonio
- Urban Fixed Wireless Access & Volp 07/2017
Architectural design of an **ultra-wide-band fixed-wireless-access** network on a 10000 person urban context. The project also elicits the characteristics of a **Volp** network linked to Telecom Italia's PSTN, and estimates the total capital expenditures for project start up.
project moderator: prof. Maurizio Naldi.
- SDN experiments in phyton
Phyton script that generates network flows between virtual nodes on a RDCL-3D topology issuing **iperf** commands to each **VM** parsing instructions from a **Json** file.
Team: NetGroup uniroma2.

multithreading - .Net- Apache Storm - IBM Bluemix - Cloud Computing - IBM RSA - AgileDev - GQM+S - Javascript - Ajax asp.net - VB.Net - VBScript - C - C++ - JQuery - Linux - XML - VisualStudio - .net - wireShark - miniNet - Git - Monaca- Ionic - Colud9 - Office - IntelliJ - Eclipse - WebStorm - PyCharm - SIP - Apache Cordova

Other experience & soft-skills

- Web Master & ICT consultant at **Institute Id** 06/2015 - 12/2015
Develop / maintenance of institutional websites identeyouth.org - identes.org - wyparliament.org

multi-cultural work environment, team-work, tech-capacitation

- International Office member at **Idente Youth** 02/2017 - present
Organizing, publicizing and working-on IV international World Youth Parliament at Beijing-2017
social speaking, hard-working, team-work leading, live translation

- Press office delegate at **Institute Id** 02/2017 - present
graphic-design, public-writing, team-work leading, translation

