

## PERSONAL INFORMATION

## Dario Valocchi



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Sex M | Date of birth 22/05/1987 | Nationality Italian

JOB APPLIED FOR  
POSITION  
PREFERRED JOB  
STUDIES APPLIED FOR

Software engineer, computer scientist.

## WORK EXPERIENCE

Currently

**Ph.D. Student in Information Engineering**

Department of Engineering, University of Perugia

- Design of signalling protocols and network services (NSIS - NetServ)
- Software design and development in Java, C, C++.
- Linux, scripting in bash, python, ruby, matlab.
- Performance evaluation of computer networks via prototypes and testbed development
- Network virtualization
- OpenStack
- Hadoop and HDFS
- Bioinformatic genomic pipeline (CNV-DE)

October/November 2011

**Traineeship at the ICT group of Imet S.P.A.**

ICT group trainee

- Network and Service management
- Help Desk
- Hardware and software maintenance

September/October 2009

Telecommunication Engineering

**Research traineeship at “Centro di ricerca Il Pischello”,**

Digital Signal Processing group trainee

- Design and development of a WDF (Windows Driver Foundation) driver for an experimental platform for digital video conversion

Digital Signal Processing

## EDUCATION AND TRAINING

September 2012

**Italian Engineering Professional Qualification**

Italian “Albo degli Ingegneri”, Perugia.

03/05/2012 **Master degree *cum laude* in Software and Automation Engineering LM/32**  
University of Perugia

04/11/2009 **Bachelor's Degree in Software and Electronics Engineering**  
University of Perugia

- Other experiences**
- GN3+ School for developers, November 2013, Poznan , Poland (2<sup>nd</sup> place at the “Legacy code retreat competition”)
  - PhD. Summer school: "Big-Data Algorithms and Applications to Traffic Measurements", September 2013, Turin, Italy
  - CHANGE bootcamp, June 2013, Louvain-la-neuve, Belgium
  - Speaker at “IEEE 3rd Symposium on Network Cloud Computing and Applications (NCCA) 2014” Rome, February 5th-7th, 2014.

**PUBLICATIONS\***

- [1] Femminella, M.; Reali, G.; Valocchi, D.; Francescangeli, R.; Schulzrinne, H., "Advanced caching for distributing sensor data through programmable nodes," 19<sup>th</sup> IEEE LANMAN, 10-12 April 2013, doi: 10.1109/LANMAN.2013.6528285
- [2] Femminella, M.; Reali, G.; Valocchi, D.; Nunzi, E., "The ARES Project: Network Architecture for Delivering and Processing Genomics Data," 3<sup>rd</sup> IEEE NCCA, 5-7 Feb. 2014, doi: 10.1109/NCCA.2014.12.
- [3] Femminella, M.; Reali, G.; Valocchi, D.; Nunzi, E.; Napolioni, V.; Picciolini, M., "The ARES Project: Cloud Services for Medical Genomics," 3<sup>rd</sup> IEEE NCCA, 5-7 Feb. 2014, doi: 10.1109/NCCA.2014.11.
- [4] Reali, G.; Femminella, M.; Nunzi, E.; Valocchi, D., "ARES: Advanced Networking for Distributing Genomic Data", *TERENA Networking Conference (TNC), 2014, 19-22 May, 2014*.
- [5] M. Femminella, E. Nunzi, G. Reali, D. Valocchi, "Networking issues related to delivering and processing genomic big data", *International Journal of Parallel, Emergent and Distributed Systems*, 2014.
- [6] M. Femminella, G. Reali, D. Valocchi, "Off-path Signaling Protocol: a new protocol supporting NFV" submitted to IEEE networks, special issue on Network Function Virtualization.

\*Authors listed in random order

**PERSONAL SKILLS**

**Mother tongue(s)** Italian

**Other language(s)**

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
French	A2	A2	A2	A2	A2

**Driving licence** Italian Driving license, cat. B