

## PERSONAL INFORMATION

## Daniele Foroni



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 Skype forons90

Gender Male | Date of birth 25/05/1990

Nationality Italian

## POSITION PhD Internship at Huawei

## WORK EXPERIENCE

## September 2016 – Present Xplainbox Framework for Data Analysis

Industrial project that receives a stream of data, stores it, and then performs analysis and applies ML algorithms on it.

Technologies Used Nginx, GoLang, Java, HDFS, Spark, Hadoop, Python, Bash

## September 2015 – Present Teaching Assistant in Big Data and Social Networks

University of Trento, Italy

Master course about big data technologies that covers from the storage of such an amount of data (NoSQL, HDFS) to its analysis (Hadoop MapReduce, Spark, ML models).

## February 2015 – February 2016 Teaching Assistant in Programming for Mathematicians

University of Trento, Italy

Bachelor course that teaches the basic knowledge for programming.

## February 2015 – February 2016 Intern at Engineering SPA

Engineering Tributi SPA <http://www.tributi.eng.it/>

Development of a project about entity resolution over a dataset obtained integrating multiple sources from the public administrative domain. Given a set of rules, the proposed solution builds a lattice of operations that efficiently and effectively find entities that match without running several algorithms over the whole dataset.

## July 2012 – February 2013 C# &amp; Web Developer

Cieffedati SaS <http://www.faitmariarosaria.it/>

Development of an application that integrates the information of customers from multiple sources in a structured database, updating also the sources with the gathered knowledge.

## September 2010 – January 2012 Intern at GPI SPA

CRG = Centro Ricerche GPI <http://www.gpi.it/>

Development of a middleware that supports Event-Driven and Service-Oriented architectures for managing and routing alarms and notifications in a protected structure, e.g. a hospital.

## January 2008 – September 2015 Football and Futsal Referee at A.I.A. (Italian Referee Association)

Associazione Italiana Arbitri A.I.A. <http://www.aia-figc.it/>

## EDUCATION AND TRAINING

### 2014 – Present PhD Student in Computer Science

Thesis Title: 'Profiling and measuring the quality of telecommunication data'

University of Trento, Trento - Italy

### 2012 – 2014 Master Degree in Computer Science

University of Trento, Trento - Italy

– **Grade:** 102/110

– **Thesis:** Entity identification with dynamic matching rules selection

Research and development of a tool that is able to perform entity identification dynamically applying rules defined by users.

– **Supervisor:** Yannis Velegarakis

### 2009 – 2012 Bachelor Degree in Computer Science

University of Trento, Trento - Italy

– **Grade:** 97/110

## PUBLICATIONS

### 2017 Putting Data Quality in Context

D. Foroni, M. Lissandrini and Y. Velegarakis. Under submission at SIGMOD '17

### 2017 On Contextualizing Data Quality

D. Foroni, M. Lissandrini and Y. Velegarakis. Ready for submission at SIGMOD Record

## PERSONAL SKILLS

Mother tongue Italian

Other languages

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
English C1	C1	C1	C1	C1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user  
[Common European Framework of Reference \(CEF\) level](#)

**Skills**

- team work and mediating skills: I am the responsible of a group of 30 teenagers and the leader of the educators
- decision skills: I was a football referee, where you have little time to take decisions.
- problem solving: from my previous occupations

**Computer skills** Principal languages: Java, Python (2.7 and 3.0), GoLang, C#. Big data technologies: Hadoop, Spark, Pig, Hive. I teach these technologies at the Master course *Big Data and Social Network* at the University of Trento.