

Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **Cristian Consonni**

For an on-line version of this CV with further details, please see: <http://www.linkedin.com/in/cristianconsonni>



Work experience

Dates	From November 2019 – (present)
Occupation or position held	Advanced Research Scientist in Big Data and Data Science
Main activities and responsibilities	Data analysis and mining in publicly funded (EU-level) and private projects.
Name and address of employer	Eurecat - Centre Tecnològic de Catalunya
Supervisor	Lali Soler, Head of the Big Data and Data Science Unit
Dates	From September 2015 – (present)
Occupation or position held	Teaching Assistant for the course "Algorithms and Data Structures", 2 nd year B.Sc. in Computer Science (5 years, from a.a. 2016/2017 to a.a. 2020/2021)
Main activities and responsibilities	I was responsible for lab lessons and coding exercises. I taught tree and graph algorithms, dynamic programming and approximation algorithms using C++.
Name and address of employer	Università degli Studi di Trento
Supervisor	Titular teacher: prof. Alberto Montresor.
Dates	From November 2014 – October 2019
Occupation or position held	Ph.D. student in Computer Science at DISI (Department of Engineering and Computers Science). Expected graduation date: October 2019.
Main activities and responsibilities	Thesis title: "The Dao of Wikipedia – Extracting Knowledge from the Structure of Wikilinks". My research developed in the field of data mining and knowledge extraction, with a particular focus on graphs and big data.
Name and address of employer	Università degli Studi di Trento
Supervisor	Prof. Alberto Montresor e prof. Yannis Velegrakis
Dates	From October 2015 to January 2016
Occupation or position held	Teaching Assistant for the course "Programming I", 1 st year B.Sc. in Mathematics a.a. 2015/2016
Main activities and responsibilities	I was responsible for lab lessons and coding exercises. I taught basic programming (variables, conditional expressions, loops) using Java.
Name and address of employer	Università degli Studi di Trento
Supervisor	Titular teacher: prof. Roberto Zunino.
Dates	From April 2013 to November 2014
Occupation or position held	Researcher on open data and communities (contractor)
Main activities and responsibilities	My research focused on data quality analysis for data from collaborative projects (OpenStreetMap and Wikipedia). graph social network analysis. I was part of the research unit "Digital Commons Lab".
Name and address of employer	Fondazione Bruno Kessler, Trento
Supervisor	Head of Unit: Maurizio Napolitano
Dates	Jun/Jul 2012, 2011 and 2010 and 6 Feb 08 - 10 Jun 08
Occupation or position held	Secondary education teaching professional
Main activities and responsibilities	Teacher of Mathematics and Physics. In 2008 substitute teacher for the whole quarter.
Name and address of employer	Istituto Tecnico Industriale Statale (ITIS) (High school) S. Ten. Vasc. "A. Badoni", Lecco

Education and training

Dates	November 2014 - October 2019
Title of qualification awarded	Doctorate of Philosophy (PhD) in Information and Communication Technology
Principal subjects / occupational skills	Thesis title: <i>"The Dao of Wikipedia: Extracting Knowledge from the Structure of Wikilinks"</i> Subjects: Information and Communication Technology, Computer science (Algorithms, data mining, network science). In my thesis I have worked with Wikipedia data in 9 different languages and extracted the graph of links between the encyclopedia's articles. I have developed an algorithm - called CycleRank - to rank nodes on a graph by relevance with respect to a user-given reference node. I have applied CycleRank in the context of the Engineroom EU project to find which were the most relevant Wikipedia pages connected to the Wikipedia article about the Internet. Finally, I have presented another contribution using Wikipedia article accesses to estimate how the information about diseases propagates.
Name and type of organisation providing education and training	Università degli Studi di Trento (University) via Calepina, 14 - I-38122 Trento (Italy)
Level in international classification	ISCED 8
Dates	December 2008 - March 2013
Title of qualification awarded	Master of Science in Physics with specialization in theoretical physics
Principal subjects / occupational skills	Thesis title: <i>"Applications of the Wilson Flow in Lattice Gauge Theory"</i> Subjects: Theoretical physics, computational physics (numerical simulation). My thesis mainly consisted in the development and implementation (in pure C) of a numerical integration method to solve an ordinary differential equation on the matrix group SU(3) over a four-dimensional spacetime lattice. The simulation was conducted using the cluster "Turing" at University of Milano-Bicocca.
Name and type of organisation providing education and training	Università degli Studi di Milano-Bicocca (University) Piazza dell'Ateneo Nuovo, 1, 20126 Milano (Italy)
Level in international classification	ISCED 7
Dates	September 2005 - December 2008
Title of qualification awarded	Bachelor of Science in Physics (Laurea triennale) - 110/110 with honours
Principal subjects / occupational skills	Thesis: <i>"Electron fake rate study in CMS ECAL calorimeter"</i> Subjects: High-Energy Physics, computational physics (numerical simulation). My thesis consisted in computing the numerical estimate of some parameters of the ECAL calorimeter in the CMS experiment of LHC. The estimate was computed writing a C++ program using the ROOT library and was based on simulation data. I developed my thesis while at CERN in Geneva.
Name and type of organisation providing education and training	Università degli Studi di Milano-Bicocca (University) Piazza dell'Ateneo Nuovo, 1, 20126 Milano (Italy)
Level in international classification	ISCED 6

Personal skills and competences

Mother tongue(s) **Italian**

European level (*)

English

French

Spanish

Catalan

German

Certification

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user
C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user
B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user
A2	Basic user	A2	Basic user	A2	Basic user	A2	Basic user	A2	Basic user
A1	Basic user	A1	Basic user	A1	Basic user	A1	Basic user	A1	Basic user

French: Diplôme d'études langue française (D.E.L.F.) 1er degré

Social skills and competences	<ul style="list-style-type: none"> • Good team spirit: I have developed the ability to work with a diverse team of people; • I have managed project both in a national and international contest, including managing people and assigning tasks. I have experience with the organisation of events and conferences both in a volunteer and a professional setting; • Strong communicational skills: I am able to communicate in a multicultural and international environment developed through the interaction with the Wikimedia world; • I can speak in public comfortably both in Italian and English: I have held classes and presentation to a variety of audiences of different backgrounds; • I have a strong background in volunteering: I have been a member of the board and secretary of "AVIS – Associazione Volontari Italiani del Sangue" di Bernareggio (MB) which promotes blood donation for 5+ years and I have been the Vice-chair and a member of the board of "Wikimedia Italia", a cultural association supporting the Wikimedia Foundation and its projects (e.g. Wikipedia) for 5+ years;
Computer skills and competences	<ul style="list-style-type: none"> • I'm a GNU/Linux user (Ubuntu, Debian, Fedora) since 2005. I can administer multi-machine systems. • I have an advanced knowledge of shell scripting languages, Python, C and C++. I have experience in using and administering databases (especially using Postgres and MySQL, MariaDB) and geospatial databases (PostGIS, Spatialite). I have some experience with Javascript and building and managing websites (backend and frontend). • I have experience with Apache Spark and the machine learning Python library Scikit-learn.
Other projects	<ul style="list-style-type: none"> • I'm a Wikipedia volunteer editor since 2007. • In 2013 I have been part of the international organizing committee of "Wiki Loves Monuments", the biggest (Guinness World Record certified) photo contest in the world. • In 2013 and 2014 I have served in the Wikimedia Foundation "Fund Dissemination Committee" a participatory grantmaking body advising on the assignment of funds for all Wikimedia chapters with a total grant capacity of 9M USD.
Driving licence(s)	B – obtained 05 May 2005
Military service	Exempt by law 226 – 23/08/2004 "Sospensione del servizio obbligatorio di leva" (suspension of coercive conscription)
Privacy statement	<p>I hereby grant permission for the treatment of my personal data (in compliance with Italian law 196 – 06/30/2003 and art. 13 GDPR (2016/679) for all purposes related to the selection procedure.</p> <p>Acconsento alla pubblicazione del mio CV in ottemperanza alle disposizioni di legge dettate in materia di trasparenza (D.Lgs. 33/2013).</p>