



Curriculum Vitae of

Main Work experience

Dates	March 2023 - Current
Occupation or position held	Assistant Professor
Main activities and responsibilities	Safety-related V2X communications in 5G, 4G, and DSRC
Name and address of employer	“Enzo Ferrari” Engineering Department, University of Modena and Reggio Emilia – Via P. Vivarelli 10, Modena, Italy
Type of business or sector	Applied Research – V2X, 5G, SDN, Network architectures
Dates	2017 - 2022
Occupation or position held	Post-Doctoral Research Fellow
Main activities and responsibilities	Safety-related V2X communications, Public Safety Networks and Seismic Alert Systems, Network Softwarization and Green 5G Architectures
Name and address of employer	“Enzo Ferrari” Engineering Department, University of Modena and Reggio Emilia – Via P. Vivarelli 10, Modena, Italy
Type of business or sector	Applied Research – V2X, 5G, SDN, Network architectures
Dates	October 2013 – December 2013 & November 2014 – August 2015
Occupation or position held	Research Fellow
Main activities and responsibilities	Preparation of the next-generation of EU Public Protection and Disaster Relief communication network
Name and address of employer	“Enzo Ferrari” Engineering Department, University of Modena and Reggio Emilia – Via P. Vivarelli 10, Modena, Italy
Type of business or sector	Applied Research – Network architectures
Dates	October 2012 – March 2013
Occupation or position held	Designer and developer of a Web Interactive Data Visualization project.
Main activities and responsibilities	Conception, design and development of <i>2020 Agenda</i> , a project that visually presents complex data in a graceful, human friendly way, so as to make possible for the common person to interpret data currently driving European Union political choices. The project has been published on https://2020agenda.eu .
Name and address of employer	University of Bologna, Computer Science department – Mura Anteo Zamboni 7, Bologna, Italy
Type of business or sector	Web design – Web development – Human-Computer Interaction design – Data Visualization
Dates	June 2010 – November 2010
Occupation or position held	Designer and developer of a parallel algorithm and a high-performance software for scientific calculus applied to the field of Nanoscience. The software has been published on the official website of Nvidia® Corporation, at the address http://www.nvidia.com/object/cuda-apps-flash-new.html# .
Main activities and responsibilities	Porting of sequential code from Fortran90 to C language. Design of a massively parallel GPU-ORIENTED algorithm for the calculus of Coulomb Integrals through Fourier’s convolution. Implementation of the algorithm through design and development of a high-performance massively parallel GPU software in C – CUDA language. Optimization of performance through exploitation of the architectural peculiarities of GPUs.
Name and address of employer	CNR S3 Center – Via G.Campi 213/A, Modena, Italy
Type of business or sector	National Research Council



Curriculum Vitae of

Education and training

Dates	2014 - 2016
Title of qualification awarded	Ph.D. - Doctor of Philosophy
Principal subjects/occupational skills covered	Reliable Wireless Networks for Disaster Relief and Recovery
Name and type of organisation providing education and training	University of Modena and Reggio Emilia - Department of Engineering "Enzo Ferrari"
Level in national or international classification	N.A.
Dates	A.Y. 2010/2011 – A.Y. 2012/2013
Title of qualification awarded	Master of Science in Theoretical Computer Science (Laurea Magistrale in Informatica Teorica)
Principal subjects/occupational skills covered	Computer Science (Class lm-18 – Ministerial Ordinance 270/2004)
Name and type of organisation providing education and training	University of Bologna
Level in national or international classification	105/110
Dates	A.Y. 2007/2008 – A.Y. 2009/2010
Title of qualification awarded	Bachelor of Science in Computer Science (Laurea Triennale in Informatica)
Principal subjects/occupational skills covered	Computer Science (Class 26 – Ministerial Ordinance 509/1999)
Name and type of organisation providing education and training	University of Modena and Reggio Emilia
Level in national or international classification	98/110
Dates	March 2010 – June 2010
Title of qualification awarded	Certificate in Advanced English (CAE)
Principal subjects/occupational skills covered	English Language
Name and type of organisation providing education and training	University of Cambridge ESOL Examinations
Level in national or international classification	Council of Europe Level C1