Carlo Manuali

Work Experience:

Date: 2017 - today
Name of employer: University of Perugia - Department of Chemistry, Biology and Biotechnology
Type of business/sector: ICT (Computer Science)
Occupation/position held: Responsible for IT Services, System and Network Manager, Head of Scientific and Computing Services and Responsible for the 'Molecular Simulation on the Grid' Laboratory
Main activities: Unix Expert, Network and Data Center Administrator, Web, Grid and Cloud Services Administrator

Date: 2013 - 2016
Name of employer: University of Perugia - Department of Chemistry, Biology and Biotechnology
Type of business/sector: ICT (Computer Science)
Occupation/position held: Responsible for IT Services, Head of Scientific and Computing Services, System and Network Manager
Main activities: Linux Expert, System & Network & Cluster Administrator, Web Services Developer

Date: 2011 - 2012
Name of employer: University of Perugia - Department of Chemistry
Type of business/sector: ICT (Computer Science)
Occupation/position held: Responsible for Technical Services, Head of Scientific and Computing Services, System Manager
Main activities: System, Network & Cluster Administrator, Web Services Developer

Date: 2000 - 2010
Name of employer: University of Perugia - Center of Calculation (CASI)
Type of business/sector: ICT (Computer Science)
Occupation/position held: Security Manager, System Administrator
Main activities/responsibilities: Network Security manager, Network Services administrator, Cluster administrator, Database administrator, System administrator

Date: 1999
Name of employer: Sinfor s.r.l.
Type of business/sector: ICT (Computer Science)

Occupation/position: held Programmer

Main activities/responsibilities: Java programming, Visual Basic programming, Network Services management

Education and Training:

Date: 2024
Name of organization: Google
Title of qualification awarded: BigQuery for Data Analysts

Date: 2023
Name of organization: NextAfter
Title of qualification awarded: Google Analytics 4 Nonprofits

Date: 2023
Name of organization: NextAfter
Title of qualification awarded: Why Should I Give to You

Date: 2023
Name of organization: Ethical Hacker Italiani
Title of qualification awarded: Kali Purple la Distro Defensive

Date: 2022-2023
Name of organization: IBM Full Stack Software Developer Professional Certificate
Title of qualifications awarded:

- Introduction to Cloud Computing (1/12, December 17, 2022)
- Introduction to Web Development with HTML, CSS, JavaScript (2/12, January 17, 2023)
- Getting Started with Git and GitHub (3/12, January 25, 2023)
- Developing Front-End Apps with React (4/12, February 15, 2023)
- Developing Back-End Apps with Node.js and Express (5/12, March 7, 2023)
- Python for Data Science, AI & Development (6/12, March 27, 2023)
- Python Project for AI & Application Development (7/12, April 5, 2023)
- Developing Applications with SQL, Databases, and Django (8/12 July 17, 2023)

Date: 2022
Name of organization: Udemy
Title of qualification awarded: Certificate 'Penetration Testing with Kali Linux - A complete Guide'

Date: 2022
Name of organization: Udemy
Title of qualification awarded: Certificate 'GCP - Google Cloud Professional Data Engineer Certification'

Date: 2022

Name of organization: Udemy

Title of qualification awarded: Certificate 'Looker - Complete Guide to Google Looker - LookML Developer'

Date: 2022

Name of organization: University of Perugia

Title of qualification awarded: PIAO e Valore Pubblico: un modo per accrescere la trasparenza, la partecipazione e la consapevolezza nelle pubbliche amministrazioni

Date: 2022

Name of organization: The Leadership Institute

Title of qualification awarded: 'International School of Fundrasing 2022' Graduation

Date: 2021

Name of organization: Duolingo Inc.

Title of qualification awarded: Duolingo English Test 95/160

Date: 2021

Name of organization: R1 S.p.A.

Title of qualification awarded: Nutanix Cloud Bundle Tech Hands-on Lab

Date: 2021

Name of organization: University of Perugia

Title of qualification awarded: EPA – English for Public Administration

Date: 2021

Name of organization: University of Perugia

Title of qualification awarded: Anticorruzione e Trasparenza – Strumenti e Comportamenti

Date: 2021

Name of organization: University of Perugia

Title of qualification awarded: La protezione dei dati personali in Unipg

Date: 2020

Name of organization: University of Foggia

Title of qualification awarded: English Grammar for Travel & Sport

Date: 2020

Name of organization: Villa Umbra - Scuola Umbra di Amministrazione Pubblica

Title of qualification awarded: Lavoro Agile e Gestione dei Documenti nella Pubblica Amministrazione

Date: 2020

Name of organization: University of Perugia

Title of qualification awarded: English B1 level

Date: 2019

Name of organization: University of Perugia

Title of qualification awarded: Addetto alle attività di ufficio e di carattere amministrativo

Date: 2019

Name of organization: University of Perugia

Title of qualification awarded: Normativa sulla protezione dei dati personali: comprenderla e attuarla

Date: 2019

Name of organization: University of Perugia

Title of qualification awarded: L'Etica pubblica e la sua applicazione

Date: 2019

Name of organization: University of Perugia

Title of qualification awarded: Moduli formativi sul trasferimento tecnologico (terza missione)

Date: 2018

Name of organization: University of Perugia

Title of qualification awarded: Applicazione del nuovo Regolamento per il Trattamento dei Dati Personali

Date: 2018

Name of organization: R1 S.p.A.

Title of qualification awarded: DemoLab HPE Simplivity – Nimble

Date: 2017

Name of organization: R1 S.p.A.

Title of qualification awarded: Veeam Hyperconverged Backup

Date: 2017

Name of organization: Information Workers Group

Title of qualification awarded: Office365

Date: 2017

Name of organization: University of Perugia

Title of qualification awarded: Webmaster

Date: 2016

Name and type of organization: Coaching PNL & Training

Title of qualification awarded: Coach certification

Date: 2008 - 2010

Name and type of organization: University of Perugia

Title of qualification awarded: Ph.D.

Title of Ph.D.: Dottorato in Matematica e Informatica per l'Elaborazione e la Rappresentazione dell'Informazione e della Conoscenza

Title of Thesis: A Grid Knowledge Management System aimed at Virtual Research Communities Sustainability based on Quality Evaluation

Date: 2008

Name and type of organization: University of Camerino

Title of qualification awarded: Professional licensed engineer in Information Science (Senior)

Date: 2004 - 2007

Name and type of organization: University of Camerino

Title of qualification awarded: Master degree

Grade: 110/110

Date: 2003

Name and type of organization: University of Perugia

Title of qualification awarded: Professional licensed engineer in Information Science (Junior)

Date: 2003

Name and type of organization: Oxford School of Languages

Title of qualification awarded: Oxford International Centre certificate

Grade: 92/100

Date: 2001 - 2002

Name and type of organization: University of Perugia

Title of qualification awarded: Bachelor degree

Grade: 110/110 cum laude

Date: 1999

Name and type of organization: Microsoft Corporation

Title of qualification awarded: Microsoft Certified Professional (MCP)

Subject: Designing and Implementing Distributed Application with Microsoft Visual Basic (exam 70-175)

Date: 1999

Name and type of organization: Microsoft Corporation

Title of qualification awarded: Microsoft Certified Professional (MCP)

Subject: Designing and Implementing Desktop Application with Microsoft Visual Basic (exam 70-176)

Date: 1995 - 1998

Name and type of organization: University of Perugia

Title of qualification awarded: Academic degree

Grade: 70/70 cum laude

International Publications:

Date: 2023
Title: TOWARDS A QRS EUROPEAN OPEN SCIENCE CLOUD COMMUNITY?
Publisher: VIRT&L-COMM, ISSN 2279-8773, 25(1)
Authors: A. Laganà, C. Manuali

Date: 2022
Title: A WELCOME TO QRS: THE ITINERARY TO A VIRTUAL COMMUNITY
Publisher: VIRT&L-COMM, ISSN 2279-8773, 24(1)
Authors: C. Manuali, A. Laganà

Date: 2022
Title: EChemTest® 2021 Accounting - Strategies and Perspectives
Publisher: VIRT&L-COMM, ISSN 2279-8773, 23(1)
Authors: C. Manuali

Date: 2021
Title: Chem-Learn: the new EChemTest® Accounting System
Publisher: VIRT&L-COMM, ISSN 2279-8773, 22(4)
Authors: C. Manuali, A. Laganà

Date: 2020
Title: Debits/Credits Offset for EChemtest® Activities
Publisher: VIRT&L-COMM, ISSN 2279-8773, 15(1)
Authors: C. Manuali, A. Laganà

Date: 2018
Title: EchemTest® Implementation on LibreEOL in ECHEMTEST+
Publisher: VIRT&L-COMM, ISSN 2279-8773, 15(1)
Authors: C. Manuali, O. Gervasi, S. Tasso, A. Laganà

Date: 2018
Title: Report on the Prosumer Model of EChemTest
Publisher: VIRT&L-COMM, ISSN 2279-8773, 14(7)
Authors: C. Manuali, A. Laganà, G. Toth

Date: 2016
Title: Synchronize the technical management of EchemTest by NTCs and ATSs
Publisher: VIRT&L-COMM Lecture, ISSN 2279-8773, Special issue: ECHEMTEST+ First Accreditation and Training Event

Author: C. Manuali

Date: 2016
Title: Synchronize the technical management of EchemTest by NTCs and ATSs
Publisher: VIRT&L-COMM Lecture Note, ISSN 2279-8773, Special issue: ECHEMTEST+ First
Accreditation and Training Event
Author: C. Manuali

Date: 2015
Title: A Trial User, Resources and Services Quality Evaluation for Grid Communities Sustainability
Publisher: The 15th International Conference on Computational Science and Applications (ICCSA
2015) LNCS Proceedings, 9156(2)
Authors: C. Manuali, A. Laganà

Date: 2015
Title: A new bottom up approach to the CMMST-VRE
Publisher: VIRT&L-COMM, ISSN 2279-8773, 7(8)
Authors: A. Laganà, C. Manuali, L. Pacifici, S. Rampino

Date: 2015
Title: Towards a Europe inspired training of Chemistry teachers
Publisher: VIRT&L-COMM, ISSN 2279-8773, 7(1)
Authors: A. Casu, D. Riganelli, A. Russo, A. Laganà, N. Faginas Lago, C. Manuali, S. Pallottelli, S. Tasso,
O. Gervasi

Date: 2015
Title: ECHEMTEST+ First Accreditation and Training
Publisher: VIRT&L-COMM, ISSN 2279-8773, Special Issue 2015
Authors: C. Manuali

Date: 2014
Title: Grid Computing in Computational Chemistry, Reference Module in Chemistry
Publisher: Reference Module in Chemistry, Molecular Sciences and Chemical Engineering,
doi:10.1016/B978-0-12-409547-2.10933-3, Elsevier
Authors: A. Laganà, C. Manuali, A. Costantini

Date: 2014
Title: Requirements of the Chemistry, Molecular & Materials Sciences and Technologies community
for evaluating the quality of a service
Publisher: VIRT&L-COMM, ISSN 2279-8773, 5(14)
Authors: C. Manuali, A. Laganà

Date: 2014

Title: A test bed for developing a CMMST grid synergistic model

Publisher: VIRT&L-COMM, ISSN 2279-8773, 5(13)

Authors: L. Pacifici, C. Manuali, A. Costantini, G. Vitillaro, A. Laganà

Date: 2013

Title: On the Enhancing of GriF a Workflow-oriented Grid Framework combining High-level Services

Publisher: VIRT&L-COMM, ISSN 2279-8773, 4(10)

Authors: C. Manuali

Date: 2013

Title: Realizzazione di un Sistema di Intrusion Prevention System (IPS): Firewall, Routing e GSM

Publisher: VIRT&L-COMM, ISSN 2279-8773, 4(9)

Authors: C. Manuali

Date: 2013

Title: Implementazione di un ambiente Grid per il calcolo ad alte prestazioni

Publisher: VIRT&L-COMM, ISSN 2279-8773, 4(8)

Authors: C. Manuali

Date: 2013

Title: Massive Implementation of the European Chemistry Test at University of Milan

Publisher: VIRT&L-COMM, ISSN 2279-8773, 4(2)

Authors: M. Ceotto, C. Manuali, A. Manfredi

Date: 2013

Title: A Grid Knowledge Management System aimed at Virtual Research Communities Sustainability based on Quality Evaluation

Publisher: VIRT&L-COMM, ISSN 2279-8773, 3(22)

Authors: C. Manuali

Date: 2012

Title: Efficient Workload Distribution bridging HTC and HPC in Scientific Computing

Publisher: The 12th International Conference on Computational Science and Applications (ICCSA 2012) LNCS Proceedings, 7333, 345-357

Authors: C. Manuali, A. Costantini, A. Laganà, M. Cecchi, A. Ghiselli, M. Carpené, E. Rossi

Date: 2012

Title: High Performance Grid Computing: getting HPC and HTC all together

Publisher: EGI Community Forum 2012 / EMI Second Technical Conference, 144

Authors: A. Laganà, C. Manuali, S. Rampino, A. Costantini, E. Rossi, M. Carpené, A. Ghiselli, M. Cecchi

Date: 2011

Title: A Grid Credit System Empowering Virtual Research Communities Sustainability

Publisher: The 11th International Conference on Computational Science and Applications (ICCSA

2011) LNCS Proceedings, 6784, 397-411

Authors: C. Manuali, A. Laganà

Date: 2011

Title: GriF: A New Collaborative Framework for a Web Service Approach to Grid Empowered Calculations

Publisher: Future Generation Computer Systems, 27(3), 315-318

Authors: C. Manuali, A. Laganà

Date: 2010

Title: GriF: Empowering Scientific Calculations on the Grid

Publisher: R. Barbera, G. Andronico, G. La Rocca, International Workshop on Science Gateways (IWSG2010) Proceedings, Consorzio COMETA, Catania (IT), ISBN 978-88-95892-03-0, 13-18

Authors: C. Manuali, A. Laganà

Date: 2010

Title: COMPCHEM: progress towards GEMS a Grid Empowered Molecular Simulator and beyond

Publisher: Journal of Grid Computing, 8(4), 571-586

Authors: A. Costantini, O. Gervasi, C. Manuali, N. Faginas Lago, S. Rampino, A. Laganà

Date: 2010

Title: GriF: A New Collaborative Grid Framework for SSCs

Publisher: M. Bubak, M. Turala, K. Wiatr: Cracow 09 Grid Workshop Proceedings, ACC CYFRONET AGH, Krakow (PL), ISBN 978-83-61433-01-9, 188-195

Authors: C. Manuali, A. Laganà

Date: 2010

Title: GriF: A Grid Framework for a Web Service Approach to Reactive Scattering

Publisher: Computer Physics Communications, (181) 1179-1185

Authors: C. Manuali, A. Laganà, S. Rampino

Date: 2009

Title: On the Structuring of a Molecular Simulator as a Grid Service

In: Chemistry and Material Science Applications on Grid infrastructures

Publisher: ICTP Lecture Notes Series, ISBN 92-95003-42-X, 24, 63-82

Authors: O. Gervasi, C. Manuali, A. Laganà, A. Costantini

Date: 2009

Title: From Computer Assisted to Grid Empowered Teaching and Learning Activities in Higher Level Chemistry

In: Innovative Methods of Teaching and Learning Chemistry in Higher Education

Publisher: RSC Publishing, ISBN 978-1-84755-958-6, 153-189

Authors: A. Laganà, A. Riganelli, C. Manuali, N. Faginas Lago, O. Gervasi, S. Crocchianti, S. Shanze

Date: 2003

Title: Linear Algebra Computation Benchmarks on a Model Grid Platform

Publisher: Lecture Notes in Computer Science (LNCS), 2658, 297-306

Authors: L. Storchi, C. Manuali, O. Gervasi, G. Vitillaro, A. Laganà, F. Tarantelli

National Publications:

Date: 2001-2011

Journal Title: Linux & C

Publisher: Piscopo Editore s.r.l. - Ed. Vinco

Articles (43) on Volumes: 18, 19, 20, 21, 23, 24, 27, 28, 32, 33, 36, 37, 41, 42, 44, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56/57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 70, 71, 72, 73, 74, 75

Date: 2004-2005

Journal Title: Linux Pratico

Publisher: Piscopo Editore s.r.l. - Ed. Vinco

Articles (7) on Volumes: 14, 15, 16, 17, 18, 19, 20

Master Teaching:

Date: 2012

Lecture: A Web Service Approach to Empower Scientific Calculations on the Grid

Course: 7th IIC-EMTCCM, the European Master in Theoretical Chemistry and Computational Modelling

7th International Course, 02/09/2012 – 30/09/2012, University of Perugia (IT)

Date: 2011

Lecture: A Web Service Approach to Empower Scientific Calculations on the Grid

Course: 6th IIC-EMTCCM, the European Master in Theoretical Chemistry and Computational Modelling

6th International Course, 12/09/2011 – 08/10/2011, University of Valencia (SP)