

CURRICULUM VITAE



PERSONAL INFORMATION

Name **LUIGI SANTANGELO**
Address **VIA N. PAGANINI, 30, 27010 CURA CARPIGNANO (PV)**
Phone **328.94.99.818**
E-mail **luigi.santangelo@unipv.it**
luigi.santangelo@gmail.com
Nationality Italian
Date of birth 1977, NOVEMBER THE17TH

EDUCATION

- Year **2019**
- Qualification **PHD IN COMPUTER ENGINEERING**
- Institution University of Pavia
- Title HPC and Cloud Computing

- Year **2014**
- Qualification **MASTER'S DEGREE IN COMPUTER ENGINEERING**
- Institution University of Pavia
- Title A Load Balancing application in MPI environment
- Grade Cum Laude

- Year **2004**
- Qualification **BACHELOR'S DEGREE IN COMPUTER SCIENCE**
- Institution University of Catania
- Title The SNMP protocol: an interface for monitoring network devices
- Grade Cum Laude

ACADEMIC ACTIVITIES

- Academic Year **2020/2021 – 24 HOURS – 4 CFU**
- Title **DIGITAL AND MULTIMEDIA COMMUNICATION (SSD ING/INF-05)**
- Details University of Pavia – Department of Political and Social Sciences – First Cycle Degree Course on Communication, Innovation, Multimedia – Contract Professor

- Academic Year **2020/2021 – 10 HOURS**
- Title **BUSINESS INTELLIGENCE WITH ORACLE BI AND PENTAHO**
- Details University of Pavia – Department of Economics and Management – Second Cycle Degree Course on Business Administration and Law – Relationship Marketing – Reference Teachers: prof. Gianni Vecchio, prof.ssa Carla Cattaneo

- Academic Year **2019/2020 – 8 HOURS**
 - Title **BUSINESS INTELLIGENCE WITH ORACLE BI AND PENTAHO**
 - Details University of Pavia – Department of Electrical, Computer and Biomedical Engineering – Second Cycle Degree Course on Computer Engineering – Advanced Computer Architecture, Data Science and Big Data Analytics – Reference Teachers: prof. Marco Ferretti, prof. Antonino Nocera

- Academic Year **2019/2020 – 4 HOURS**
 - Title **MULTIMEDIA DATABASE WITH LIRE**
 - Details University of Pavia – Department of Electrical, Computer and Biomedical Engineering – Second Cycle Degree Course on Computer Engineering – Digital Content Retrieval – Reference Teacher prof.ssa Mariagrazia Albanesi

- Academic Year **2019/2020 – 4 HOURS**
 - Title **DOCUMENTAL DATABASE WITH MONGODB**
 - Details University of Pavia – Department of Electrical, Computer and Biomedical Engineering – Second Cycle Degree Course on Computer Engineering – Digital Content Retrieval – Reference Teacher prof.ssa Mariagrazia Albanesi

- Academic Year **2018/2019 – 4 HOURS**
 - Title **CLOUD COMPUTING AND GOOGLE CLOUD PLATFORM**
 - Details University of Pavia – Department of Electrical, Computer and Biomedical Engineering – Second Cycle Degree Course on Computer Engineering – Advanced Computer Architecture – Reference Teacher: prof. Marco Ferretti

- Academic Year **2019/2020 – 4 HOURS**
 - Title **CLOUD COMPUTING**
 - Details University of Pavia – Department of Economics and Management – Second Cycle Degree Course on Business Administration and Law – Relationship Marketing – Reference Teachers: prof. Gianni Vecchio, prof.ssa Carla Cattaneo

- Academic Year **2019/2020 – 4 HOURS**
 - Title **BUSINESS INTELLIGENCE**
 - Details University of Pavia – Department of Economics and Management – Second Cycle Degree Course on Business Administration and Law – Relationship Marketing – Reference Teachers: prof. Gianni Vecchio, prof.ssa Carla Cattaneo

TEACHING EXPERIENCES

- From - To **NOVEMBER 2016 – DECEMBER 2020**
 - Institute Cesvip Lombardia – Regione Lombardia
 - Courses Techniques for computing and representing data (32 hours)
Excel Base, Intermediate and Advanced (292 hours);
Java Base (24 hours)
Cloud Computing (16 hours)
Database and Business Intelligence (21 hours)
Electronic Billing (4 hours)
Google Suite (36 hours)
Effective Presentations with Power Point (12 hours)

- From - To **JANUARY 2015 – JULY 2020**
 - Institute Policlinico San Matteo – Pavia
 - Courses Excel Base, Intermediate and Advanced (146 hours)

- From - To **OCTOBER 2008 – MAY 2012**
 - Institute Sinervis - Milano
 - Courses Web Design (200 hours);
Hardware Technician (258 hours);
Excel (28 hours);
HTML and CSS (16 hours)
Java (109 hours)
Linux Base (18 hours)

- From - To **FEBRUARY 2006 – JUNE 2011**
 - Institute University of Pavia
 - Courses Office (15 hours);
Linux Base (63 hours);
Linux Advanced (63 hours);
Java (90 hours)

- From - To **SEPTEMBER 2004 – MAY 2005**
 - Institute Mediatel - Catania
 - Corsi insegnati Excel Base and Advanced (300 hours);

- From - To **OCTOBER 2004 – DICEMBRE 2005**
 - Institute IAL - Catania
 - Corsi insegnati Mathematics (100 hours);
Computer Science (100 hours)

- From - To **MARCH 2000 – SEPTEMBER 2004**
 - Institute Mediatel - Catania
 - Courses Office (150 hours);

CERTIFICATIONS

- Date **11/12/2013**
- Title **ORACLE DATABASE 11G: BACKUP AND RECOVERY WORKSHOP II**
- Institute Oracle Corporation – Area Etica

- Date **06/12/2012**
- Title **ECDL WEB EDITING**
- Institute AICA

- Date **14/09/2010**
- Title **ECDL UPDATE 5.0**
- Institute AICA

- Date **26/03/2009**
- Title **ECDL ADVANCED DATABASE**
- Institute Aica

- Date **26/03/2009**
- Title **ECDL ADVANCED POWERPOINT**
- Institute Aica

- Date **06/02/2009**
- Title **ORACLE DATABASE 10G: ADMINISTRATION WORKSHOP I**
- Institute Oracle Corporation

- Date **30/09/2008**
- Title **ECDL ADVANCED ESAMINATORE ELABORAZIONE TESTI**
- Institute AICA

- Date **30/09/2008**
- Title **ECDL ADVANCED ESAMINATORE FOGLIO ELETTRONICO**
- Institute Aica

- Date **30/05/2008**
- Title **ECDL ADVANCED FOGLIO ELETTRONICO**
- Institute Aica

- Date **30/05/2008**
- Title **ECDL ADVANCED FOGLIO ELETTRONICO**
- Institute Aica

- Date **2006**
- Title **EUCIP (MODULI BUILD E OPERATE)**
- Institute AICA - CINI

- Date **2002**
- Title **ECDL BASE**
- Institute Aica

- Date **05/01/2000**
- Title **PROGRAMMATORE INFORMATICO**
- Institute EFAL - Catania

PROFESSIONAL EXPERIENCES

- From - To **JANUARY 2006 – TODAY**
- Corporation University of Pavia
- Employment Type Technological Infrastructure Administrator
- Main Reponsibilities Centralized Authentication System Administration
Oracle Database Administration
Software Development
Server Administration and Control

- From - To **JANUARY 2013 - TODAY**
- Corporation Congrest Milano
- Employment Type IT manager, DBA
- Main Reponsibilities Information System Administrator
Cloud Environment Managing
Database Administration
Software Design
Administration and Developing Vtiger modules
Managing Integration System for Electronic Billing

- From - To **APRIL 2006 – DECEMBER 2007**
- Corporation WebSysco - Pavia
- Employment Type Software Engineer
- Main Reponsabilities Software Developer for DB2 in Jaa

- From - To **OCTOBER 2005 – JANUARY 2006**
- Corporation Compit - Catania
- Employment Type Software Developer
- Main Reponsabilities Java Application Development

- From - To **MAY 2005 – OCTOBER 2005**
- Corporation Pizzarotti SpA – Lentini (SR)
- Employment Type Network Administrator
- Main Reponsabilities Network Administration and Control

- From - To **JANUARY 2004 – APRIL 2004**
- Corporation SPMC - Catania
- Employment Type Stage
- Main Reponsabilities Developing software application for mobile devices (Pocket PC and Nokia 6600 using SuperWaba, VisualBasic Embedded 3.0 and BlueTooth);

SCIENTIFIC RESEARCHES

- Data **2019**
- Reference Ferretti, Marco, and Luigi Santangelo. "Optimized cloud-based scheduling for protein secondary structure analysis." *The Journal of Supercomputing* (2019): 1-22.

- Data **2019**
- Reference Ferretti, Marco, and Luigi Santangelo. "Profiling Hemodynamic Application for Parallel Computing in the Cloud." 2019 27th Euromicro International Conference on Parallel, Distributed and Network-Based Processing (PDP). IEEE, 2019.

- Data **2018**
- Reference Auricchio, Ferdinando, et al. "Benchmarking a hemodynamics application on Intel based HPC systems." *Parallel Computing is Everywhere* 32 (2018): 57.8.

- Data **2018**
- Reference Ferretti, Marco, and Luigi Santangelo. "Protein Secondary Structure Analysis in the Cloud." *Proceedings of the 6th International Workshop on Parallelism in Bioinformatics*. ACM, 2018.

- Data **2018**
- Reference Ferretti, Marco, and Luigi Santangelo. "Hybrid OpenMP-MPI parallelism: porting experiments from small to large clusters." 2018 26th Euromicro International Conference on Parallel, Distributed and Network-based Processing (PDP). IEEE, 2018.

- Data **2015**
- Reference M. Ferretti, M. Musci, L. Santangelo
MPI-CMS: a hybrid parallel approach to geometrical motif search in proteins
Concurrency and Computation: Practice and Experience
IEEE Computer Society, 2015

- Data **2014**
- Reference M. Ferretti, M. Musci, L. Santangelo
A Hybrid Openmp and Openmpi Approach to Geometrical Motif Search in Proteins.
Proceedings of the IEEE International Conference on Cluster Computing,

MAGAZINES

- Date **NOVEMBER 2016**
- Title **VTIGER: THE OPENSOURCE CRM FOR CUSTOMER RELATIONSHIP**
- Magazine Linux Magazine 171/2016 – Edizioni Master

- Date **SEPTEMBER 2016**
- Title **E-COMMERCE WITH PRESTASHOP**
- Magazine Linux Magazine 170/2016 – Edizioni Master

- Date **JULY 2016**
- Title **SINGULARITY: A CONTAINER FOR HPC APPLICATIONS**
- Magazine Linux Magazine 169/2016

- Date **JANUARY 2016**
- Title **SCRATCH: YOUR FIRST CARTOON**
- Magazine Windows Magazine 215/2016

- Date **NOVEMBER 2015**
- Title **SHIBBOLETH: A LOGIN, A THOUSAND SERVICES**
- Magazine Linux magazine 164/2015

- Date **OCTOBER 2015**
- Title **IPV6, INTERNET IS GOING TO COLLAPSE**
- Magazine Windows Magazine 212/2015

- Date **SEPTEMBER 2015**
- Title **THE HISTORICAL-TECHNOLOGICAL EVOLUTION OF INTEL PROCESSORS: THE BROADWELL ARCHITECTURE**
- Magazine Linux Magazine 163/2015

- Date **MARCH 2015**
- Title **CITIZEN RELATIONSHIP MANAGEMENT (CzRM) WITH CIVCRM**
- Magazine Linux Magazine 161/2015

- Date **JANUARY 2015**
- Title **DIGITAL IDENTITY WITH SPID**
- Magazine Linux Magazine 159/2015

- Date **DECEMBER 2014**
- Title **OPENNMS, DEEP CONTROL OF NETWORK DEVICES**
- Magazine Linux Magazine n. 158/2014

- Date **OCTOBER 2014**
- Title **REDHAT DIRECTORY SERVER: THE ENTERPRISE-LEVEL USER MANAGEMENT**
- Magazine Linux Magazine n. 157/2014

- Date **AUGUST 2014**
- Title **DIGITAL CERTIFICATE WITH DOGTAG**
- Magazine Linux Magazine n. 156/2014

- Date **AUGUST 2014**
- Title **OPENKM, KNOWLEDGE MANAGEMENT IN BUSINESS ORGANIZATIONS**
- Magazine Linux Magazine n. 156/2014

- Date **JUNE 2014**
- Title **AN INCREASINGLY ARMORED SYSTEM WITH SELINUX**
- Magazine Linux Magazine n. 154/2014

- Date **DECEMBER 2013**
- Title **EMULATING NETWORK DEVICES WITH CORE E IPV6**
- Magazine Linux Magazine n. 151/2013

- Date **MAY 2012**
- Title **GRAMPS, THE GENEALOGICAL TREE WITH GNU/LINUX**
- Magazine Linux Magazine n. 135/2012

- Date **FEBRUARY 2012**
- Title **BIOMETRICAL AUTHENTICATION: FACIAL AND FINGERPRINT RECOGNITION**
- Magazine Linux Magazine n. 132/2012

- Date **NOVEMBER 2011**
- Title **NAGIOS, THE NETWORK SUPERVISOR**
- Magazine Linux Magazine n. 129/2011

- Date **MAY 2011**
- Title **PAM E BIOMETRICAL AUTHENTICATION**
- Magazine Linux Pro n. 104/2011

- Date **FEBBRAIO 2011**
- Title **WEB SITE ACCESSIBILITY**
- Magazine Linux Pro n. 101/2011

- Date **NOVEMBRE 2010**
- Title **DATA REPLICATION WITH MySQL**
- Magazine Linux Pro n. 96/2010

- Date **MAY 2010**
- Title **SNMP PROTOCOL, MONITORING NETWORK DEVICES**
- Magazine Linux Pro n. 92/2010

- Date **OCTOBER 2009**
- Title **JMETER, LOAD TEST FOR WEB APPLICATIONS AND LDAP SERVER**
- Magazine Linux Pro n. 85/2009

- Date **JUNE 2009**
- Title **SINGLE SIGN ON AND CENTRALIZED AUTHENTICATION**
- Magazine Linux Pro n. 79/2009

- Date **APRIL 2009**
- Title **SHA, SECURE ENCRYPTION ALGORITHM**
- Magazine Linux Pro n. 77/2009

- Date **SEPTEMBER 2008**
- Title **MVC PATTERN AND DISPLAYTAG LIBRARIES**
- Magazine Login n. 66/2008 - ISSN 1720-531X

FOREIGN LANGUAGES

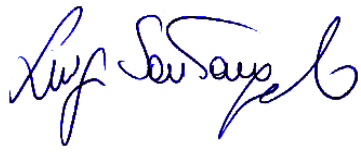
• Tongue	INGLESE
Reading	Great
Writing	Good
Understanding	Good (livello B2-1)
Talking	Good

COMPUTER KNOWLEDGES

Operating Systems	Linux, Windows
Relational Databases	Oracle 12G, MySQL 8, Postgres, Access, DB2
Multimedial Databases	LIRE
Documental Databases	MongoDB
Programing Languages	C/C++, Java, PHP
Container	Docker, Singularity
Protocols	HTTP, FTP, STMP, POP, ICMP, SNMP, TCP4, TCP6, UDP, IPv4, IPv6, RTP
Java Technologies	J2SE, J2ME, J2EE, J2USB, JSR82, WebServices (SOAP, REST)
Business Intelligence	SAS Enterprise, Pentaho Server, Pentaho Data Integration, Oracle Data Integration, Talend Data Integration
Cloud Platform	Google Cloud Platform
Framework Java	Struts 2.0, Hibernate
Development Framework	Yii2, AndroMDA
C Technologies	RPC
Development Environments	Eclipse
Web Editor	FrontPage, Dreamweaver, BlueFish
Server	Apache, Squid, IPTables, OpenLDAP, RedHat Directory Server, Jboss, Shibboleth
Cypher	RSA, NTLM, MD5, SHA
Multiprocessing	OpenMP, MPI
CRM	VTIger, CiViCRM
CMS	Drupal, Wordpress
System Monitor	OpenNMS, Nagios, JMeter
Knowledge Management	OpenKM

Other DogTag

Pavia, 2020, the 29th december

A handwritten signature in blue ink, appearing to read 'Luigi Salsano'.