

# Europass Curriculum Vitae

## Personal information

Surname(s) / First name(s)

Address(es)

Telephone(s)

Email(s)

Nationality(-ies)

Date of birth

Gender

Personal Home Page

Codice Fiscale (Italy only)

## Desired employment/ Occupational field

## Work experience

Dates

Occupation or position held

Main activities and  
responsibilities

Name and address of employer

Type of business or sector

Dates

Occupation or position held

Main activities and  
responsibilities

Name and address of employer

Type of business or sector

Dates

Occupation or position held

## RUSSO, Vincenzo

Via della Repubblica, 13 – 80010, Villaricca (NA), Italy

Not available      Mobile: 0039 320 094 07 27

[v.russo@pulsetech.it](mailto:v.russo@pulsetech.it), [vincenzo.russo@neminis.org](mailto:vincenzo.russo@neminis.org)

Italian

February 6, 1982

Male

<http://neminis.org>

RSS VCN 82B06 F839F

**Main interests:** Web, Human Computer Interaction (HCI) and Mobile HCI, Data Mining, Information Retrieval, Machine Learning, Software Engineering – **Other interests:** Operating Systems, Optimization problems



From **01 Sep 2008** to **Present**.

Member of the SoLCo project

**Machine learning researcher, C++ developer** for the SoLCo project. The latter is a project of applied research that aims at bringing state-of-the-art information retrieval instruments (indexing, crawling, feature selection, etc.) to companies that work in the information retrieval field, with special attention to Italian documents.

My personal goals are support vector methods for clustering and classification and their connection with new loss functions and new paradigms (enclosing learning, ensemble learning, etc.).

Department of Physics at University of Naples "Federico II" – Via Cinthia, 80126 Naples, Italy

Applied research in Document Mining and Information Retrieval

From **15 Feb 2008** to **Present**.

Member of the VONeural project (see <http://voneural.na.infn.it/>)

**Data mining researcher, Software Engineer, C++ developer** for the VONeural project. The latter is a project of applied research that aims at developing a comprehensive C++ data mining framework with both classical and cutting-edge methodologies.

Department of Physics at University of Naples "Federico II" – Via Cinthia, 80126 Naples, Italy

Applied research in Data Mining for Astrophysics

From **01 Jan 2007** to **Present**.

Web engineer and researcher, data-mining expert, usability expert

Main activities and responsibilities	<p><b>Web Technologies researcher, Web Application Engineering, Data mining expert, Usability expert, Senior PHP Developer</b> (also working with Pear, Drupal, Typo3, WordPress/WordPress MU, Joomla, Symfony, etc.), <b>Java Developer</b> (also working with JSE, JEE, Spring, DWR, iBatis, etc.)</p> <p><b>Latest big project</b> – Bricàbrac (<a href="http://www.bricabrac.it">http://www.bricabrac.it</a>), large-scale italian web portal for private advertising. <i>Key features</i>: internal search engine with stemming and misspelling correction.</p>
Name and address of employer	Pulse s.a.s. – Viale Campi Flegrei 55, 80124 Naples, Italy
Type of business or sector	Web Technologies and Mobile
Dates	From <b>07 Feb 2006</b> to <b>31 Mar 2007</b> .
Occupation or position held	Web Architect of the EUCIP <sup>1</sup> italian web site (see <a href="http://eucip.consortio-cini.it">http://eucip.consortio-cini.it</a> )
Main activities and responsibilities	<p><b>Web Engineer, Drupal developer, DB Architect and Administrator</b> (MySQL), <b>PHP and SQL developer, Linux System Administrator</b>.</p> <p>The EUCIP web site handles thousands of people all around Italy and allows them to follow online courses, to book and track their exams for the EUCIP certifications, etc. It also has a hierarchical secretary system which allows each city to manage its own students directly, whereas the central secretariat can manage both every student and other local secretaries.</p>
Name and address of employer	Consortio Interuniversitario Nazionale per l'Informatica (CINI) <sup>2</sup> – Via Salaria 113, 00198 Rome, Italy
Type of business or sector	Research and development in several fields of the Information Technology area
Dates	From <b>2004</b> to <b>2005</b> .
Occupation or position held	Web Architect of the ENEP <sup>3</sup> project (formerly known as DBEP <sup>4</sup> ). See <a href="http://www.environmentalprofessionals.eu">http://www.environmentalprofessionals.eu</a> .
Main activities and responsibilities	<p><b>Web Application Engineer, DB Architect and Administrator</b> (PostgreSQL), <b>PHP, SQL and PL/pgSQL developer, Linux System Administrator</b>.</p> <p>ENEP is a network of environmental professionals' curricula. The software developed was a CMS written from scratch with a back-end based on PostgreSQL database.</p>
Name and address of employer	Associazione Italiana Scienze Ambientali <sup>5</sup> (on behalf of European Federation of Associations of Environmental Professionals (EFAEP)) – Piazza della Scienza 1, 20126 Milan, Italy
Type of business or sector	Environmental professionals
Dates	From <b>2002</b> to <b>2005</b> .
Occupation or position held	Web developer, system administrator
Main activities and responsibilities	<b>Web engineer and developer</b> (mostly LAMP), <b>DB architect and administrator</b> (MySQL, PostgreSQL), <b>Linux System Administrator</b>
Name and address of employer	Self-employed
Type of business or sector	Web development
Dates	From <b>2000</b> to <b>2003</b> .
Occupation or position held	Private Teacher
Main activities and responsibilities	Teaching computer basics, office automation, internet instruments (both Windows and Linux). Also teaching basic and advanced programming (both imperative and object oriented).
Name and address of employer	Private people
Type of business or sector	Teaching computer usage and programming

<sup>1</sup> European Certification for Informatics Professionals

<sup>2</sup> National Inter-universitary Consortium for Informatics.

<sup>3</sup> European Network of Environmental Professionals.

<sup>4</sup> DataBase of Environmental Professionals.

<sup>5</sup> Italian Association for Environmental Science

## Education

Dates  
Title of qualification awarded  
  
Final mark  
Principal subjects/Occupational skills covered  
  
Name and type of organization providing education and training

From **2000 to 2007**.

**Master Degree<sup>6</sup>** in Computer Science with a Thesis entitled “**State-of-the-art clustering techniques – Support Vector Methods and Minimum Bregman Information Principle**”

**110/110 Cum Laude**

Algorithms and Data structures, Compilers fundamentals, Computer architectures, Computer networks, Computer programming, Databases, Electronics, Formal languages, Human-computer interaction, ICT Security, Information theory, Mathematical Logic, Neural Networks and Machine Learning, Numerical and scientific analysis, Operating Systems (classical, distributed, and Linux internals), Operational Research and Mathematical Programming, Parallel and distributed computing, Physics and Quantum Physics, Programming languages, Software engineering, Web Technologies

Università degli studi di Napoli “Federico II” – Corso Umberto I, 80138 Naples, Italy

Dates  
Title of qualification awarded  
Principal subjects/Occupational skills covered  
Name and type of organization providing education and training

From **1995 to 2000**.

**High School Diploma:** Technical Chief for Industries – **Specialized in Informatics**  
Computer Science, Computer Programming, Electronics

I.T.I.S. “Galileo Ferraris” – Via Labriola Lotto G, 80100 Naples, Italy

## Training

Dates  
Title of qualification awarded  
Principal subjects/Occupational skills covered  
  
Name and type of organization providing education and training

From **27 May 2002 to 11 Dec 2002**.

Network Specialist (GARR-B Project – <http://www.garr.it/garr-b-home-engl.shtml>)

Three months of theory and three months of practice on the following topics: **Network protocols internals, Structured Wiring, Security, Routing and QoS, Unix/Linux and Windows system administration, LAN setup, Web basics and development**

Consortium GARR (<http://www.garr.it>) – Viale Palmiro Togliatti 1625, I 00155 Rome, Italy

Dates  
Title of qualification awarded  
Principal subjects/Occupational skills covered  
  
Name and type of organization providing education and training

From **1 May 2000 to 31 Jul 2000**.

Object Oriented Programming developer and Databases architect

OOP Paradigm, Client-Server application development with Borland Delphi 6, CGI development with Borland Delphi 6, Database (Paradox) design and programming, Web development

Adviser s.r.l. – Via Vicinale Croce di Piperno 6, 80126 Naples, Italy (featuring I.T.I.S. “Galileo Ferraris” – Via Labriola Lotto G, 80100 Naples, Italy)

## Personal skills and competences

Mother tongue(s)  
Other language(s)

*Self-assessment  
European level<sup>(7)</sup>*

**English<sup>7</sup>**

## Italian

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
Independent user (B2)	Independent user (B2)	Independent user (B2)	Independent user (B2)	Independent user (B2)

<sup>6</sup>For Italian readers: *Laurea Quinquennale secondo le modalità precedenti all'entrata in vigore del D.M. 509/99 (Vecchio Ordinamento), equiparata alla Laurea Magistrale ai sensi del D.M. 270/2004.*

<sup>7</sup>Studying for TOEFL exam.

## Spanish (Castilian)

Basic user (A2)	Basic user (A2)	Basic user (A1)	Basic user (A1)	Basic user (A1)
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(\*) Common European Framework of Reference (CEF) level ([http://www.coe.int/T/DG4/Portfolio/?L=E&M=/main\\_pages/levels.html](http://www.coe.int/T/DG4/Portfolio/?L=E&M=/main_pages/levels.html))

### Social skills and competences

I am able to work in team: I worked in teams up to 30 people, I like to engage relationships with people, I am sociable and open-minded, I tend to be a leader but I always like to know the position of my team-mates/colleagues

### Organisational skills and competences

I have experience in managing small software development teams, I successfully took part in open source software projects, I joined small research teams

### IT skills and competences

**Software engineer and Project Manager** – Object Oriented Design, Functional Design, Agent Oriented Design. Experience with both classical (Waterfall, Spiral, etc.) and modern (Agile, XP, etc.) engineering paradigms;

**Advanced Web Architect and Developer** – More than 7 years of experience. Always up to date on modern technologies (AJAX, Web services, RIAs, etc.) and open standards (W3C standards, etc.);

**Advanced PHP developer** – More than 7 years of experience. Understanding well known PHP-based open platforms and libraries: WordPress, WordPress Mu, Drupal, Typo3, Pear, etc;

**Advanced DB architect and developer** – More than 7 years of experience in designing and programming databases (MySQL, PostgreSQL); C++ developer – More than 3 years of experience, focusing on scientific software development. Understanding STL, Boost Libraries, LIBSVM, SVM-Light, etc.;

**Java developer** – Extensive experience with JSE, JEE and many frameworks like Spring, DWR, iBatis, Hibernate. Experience also in Agent Oriented Programming with JADE framework;

**Data mining and Machine Learning** – About 2 years of experience in designing and implementing data mining and machine learning algorithms, with special focus on information retrieval;

**Human-computer interaction** – About 5 years of experience in optimizing usability of applications, with special focus on web and (recently) mobile applications;

**System administrator** – More than 7 years of experience with Linux system administration in medium size environments. Also managed Mac OS X server and Windows server. Extensive experience with Bash shell programming;

**Minor skills** – Perl, Python, Objective-C (Apple Cocoa).

### Work location preferences

Central Europe. Favorably disposed for travelling.

### References

Available upon request.

### Driving licence(s)

European Driving License – B Type

### *Trattamento dei dati personali (Italy only)* *Servizio di leva (Italy only)*

*Esprimo il consenso, ai sensi della legge 196/2003, per il trattamento dei dati personali.*

*Da non sostenere, ai sensi della legge 226/2004, causa slittamento in classe '86.*

### Annexes

Publications

Scientific softwares

Way of thinking

## Publications

Russo, V. (2008). State-of-the-art clustering techniques: Support Vector Methods and Minimum Bregman Information Principle. Master's thesis, Università degli studi di Napoli "Federico II", Corso Umberto I, 80100 Naples, Italy. (Download from <http://thesis.neminis.org/2008/01/28/thesis-final-draft/>).

## Scientific Softwares

- **LIBSVM Plus** [<http://neminis.org/software/libsvm-plus/>]

LIBSVM Plus is a version of LIBSVM adapted from its head version released on April 1, 2008, i.e. the 2.86 version. My own version adds four kernels intended for ensemble learning and three new SVM models;

- **Support Vector Clustering** [<http://neminis.org/software/support-vector-clustering/>]

Support Vector Clustering is the name of the first clustering technique based on the SVM formalism. The software was developed for making the experiments included in my master's thesis. This version is neither mature nor stable, but a renewed version is planned;

- **WikiSet** [<http://neminis.org/software/wikiset/> | <http://wikiset.neminis.org/>]

WikiSet is not properly a software. It aims at becoming a community web site to collect as much informations as possible about datasets used for machine learning (and so data mining, pattern recognition, etc.) experiments.

## Way of thinking

I think that technology can be an improvement of human beings life, and I trust that this can be only achieved by using open standards and designing usable, non-invasive, softwares and devices. I also strongly believe in research, knowledge sharing, and open source development (though I am not a “non-commercial software extremist”).

I am focused on Internet-related jobs for years, because I consider Internet both a social revolution and the future of software development: I trust that network services will be the core of the next generation applications. Both desktop and mobile applications are slowly becoming just front-ends for services provided over Internet. And if you think about it, that is the way to centralize our digital life and access it through any kind of application and from any place on the planet.

I also think that people (like me) that work in computer science and information technology fields should move informations instead of people themselves. We have the power of avoiding thousands of useless travels all around the world, and reserve those travels for private entertainment. We should use that power.