



Europass Curriculum Vitae

Personal information

First name / Surname **Primo Furno**

Address

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Mobile:

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Nationality Italian

Date of birth 4th May 1974

Gender Male

Occupational field

Design, development and implementation of distributed/stand-alone software and custom IT applications to purchase order management

Work experience

Dates June 2010 onwards

Occupation or position held CNR – IMM technician

Main activities and responsibilities

- Designing, developing, implementing, testing and maintaining distributed and stand-alone software, including websites and scientific applications
- Supporting researchers to carry out patent prior art research by querying specific databases
- Providing facilities booking services by using software implementation
- Managing digital protocol services
- Supporting office management
- Group leading for purchase order management by custom IT applications

Name and address of employer

Unit of the *Institute of Microelectronics & Microsystems* (IMM) within the *National Research Council* (CNR), c/o Department of Physics and Astronomy, University of Catania; Via Santa Sofia, 64 – 95123 Catania, Italy

Type of business or sector

Research and development

Dates April 2000 – May 2010

Occupation or position held Independent web designer and software developer

Main activities and responsibilities

- Website designing, developing, implementing and maintaining
- Graphic designing: animations, brochures, posters, GUIs, WUIs
- 3D modeling and rendering
- Business software designing and implementing

Name and address of employer

Different companies

Type of business or sector

Private sector

Dates November 2006 – May 2010

Occupation or position held ICT expert

Main activities and responsibilities

Teaching how using PC in order to improve students' and teachers' skills

Name and address of employer

Various public and private teaching institutions

Type of business or sector

ICT Teaching

Dates	September 2000 – October 2004
Occupation or position held	Software engineer, sr. developer and web designer
Main activities and responsibilities	<ul style="list-style-type: none"> – Designing, developing and implementing websites with e-commerce solution, dynamic layout and content, database, GIS and Web Services – Restyling and recoding of scientific and office-automation applications – Reverse and forward software engineering – Conceptual, logical and physical designing of distributed and stand-alone software – ICT consulting to information management, delivery and sharing – Supporting activities in design, development and implementation for the following European projects: <i>Demeter (DEMonstration of Earth observation Technologies in Routine irrigation advisory services)</i>, <i>Huson (HUMAN Sensor based Operational Network)</i>, <i>Odin (geOgraphic Distributed INformation tools and services for the mobile information society)</i> – European projects scouting – Enterprise workflow specification and business process re-engineering
Name and address of employer	Mestor, Via Teocrito, 11 – 95131 Catania, Italy
Type of business or sector	Web, software and professional imaging

Dates	August 2000 – January 2001
Occupation or position held	Technical-scientific consultant and software developer
Main activities and responsibilities	Developing software based on fuzzy models to analyze visibility for telemetric systems in the animals ecology
Name and address of employer	University of Catania, Dept. of Mathematics and Informatics; Viale A.Doria, 6 – 95125 Catania, Italy
Type of business or sector	Research and development related to digital image processing

Dates	December 1991 – August 1992
Occupation or position held	Journalist
Main activities and responsibilities	Collecting and disseminating information about current events, people, trends and issues
Name and address of employer	Regional radio and newspaper <i>Il Giornale di Sicilia</i> ; Via Lincoln, 21 – 90133 Palermo, Italy
Type of business or sector	Journalism

Education and training

Date	2010 onwards
Title of qualification awarded	Certificate of attendance
Principal subjects/occupational skills covered	Multiple courses related to digital administrative document, purchase order and electronic invoice management by IT solutions
Name and type of organisation providing education and training	National Research Council (CNR)

Date	2014
Title of qualification awarded	Certificate of attendance
Principal subjects/occupational skills covered	High performance scientific computing
Name and type of organisation providing education and training	Summer School "Science Gateway" organized by the National Institute of Nuclear Physics, Catania, Italy

Date	2013
Title of qualification awarded	Certificate of attendance
Principal subjects/occupational skills covered	IT infrastructure virtualization
Name and type of organisation providing education and training	CNR – ICB and System Solution Integrator <i>Ricca Informatica</i> , Ragusa, Italy
Date	2012
Title of qualification awarded	Cambridge ESOL Entry Level Certificate
Principal subjects/occupational skills covered	English for Speakers of Other Languages (ESOL)
Name and type of organisation providing education and training	<i>English Study Center</i> , Catania, Italy
Date	2011
Title of qualification awarded	Certificate of attendance
Principal subjects/occupational skills covered	<ul style="list-style-type: none"> – Increasing patent awareness – Patent prior art research
Name and type of organisation providing education and training	<i>CNR – Materials and Devices Department</i> , Rome, Italy
Date	2010
Title of qualification awarded	Certificate of attendance
Principal subjects/occupational skills covered	<ul style="list-style-type: none"> – Patent and intellectual property right – QPAT/Orbit Database
Name and type of organisation providing education and training	<i>CNR – Promotion and Development Collaborations Office</i> , Bologna, Italy
Date	2010
Title of qualification awarded	Postgraduate master's degree in e-learning environment building
Principal subjects/occupational skills covered	<ul style="list-style-type: none"> – Artificial intelligence – Hypertext and hypermedia – Building e-learning interactive hypermedia-based software to improve learning skills
Name and type of organisation providing education and training	Open university <i>Guglielmo Marconi</i> , Rome, Italy
Date	2007
Title of qualification awarded	Postgraduate master's degree in learning technologies
Principal subjects/occupational skills covered	<ul style="list-style-type: none"> – Study methods – Human-computer interaction – ICT to improve learning skills
Name and type of organisation providing education and training	Open university <i>Guglielmo Marconi</i> , Rome, Italy

Date	2006
Title of qualification awarded	Secondary school teacher
Principal subjects/occupational skills covered	<ul style="list-style-type: none"> – Planning, preparing and delivering lessons to a range of classes – Marking works, giving appropriate feedbacks and maintaining records of pupils' progress and development – Researching new topic areas, maintaining up-to-date subject knowledge and then devising and writing new curriculum materials – Selecting and using a range of different learning resources and equipment – Undertaking pastoral duties and supporting pupils on an individual basis through academic or personal difficulties – Managing pupil behavior in the classroom and on school premises, and applying appropriate and effective measures in cases of misbehavior
Name and type of organisation providing education and training	<i>University of Catania</i> , Catania, Italy
Date	2002
Title of qualification awarded	Certificate of attendance
Principal subjects/occupational skills covered	English language for foreigners (listening, reading, speaking and writing)
Name and type of organisation providing education and training	<i>International Colleagues School of English</i> , Norwich, UK
Date	2002
Title of qualification awarded	Trinity Certificate, grade 6: spoken English for speakers of other languages
Principal subjects/occupational skills covered	English language for foreigners: listening, reading and speaking
Name and type of organisation providing education and training	<i>British College</i> , Catania, Italy
Date	2000
Title of qualification awarded	Bachelor's degree with honours in Computer Science
Principal subjects/occupational skills covered	Computing, information processing, software implementation using different kind of programming languages; thesis on the resolution of the surface visible from a fixed viewpoint by fuzzy logic and the telemetric acquisition of animals' position by radio-tracking
Name and type of organisation providing education and training	<i>University of Catania</i> , Catania, Italy
Level in national or international classification	ISCED 5
Date	1993
Title of qualification awarded	Scientific high school diploma
Principal subjects/occupational skills covered	Scientific studies
Name and type of organisation providing education and training	High school <i>Enrico Medi</i> , Leonforte, Italy
Level in national or international classification	ISCED 3
Software portfolio	
Date	2020
Typology	MinLav – stand-alone software

Description	Tools to collect and manage information to be delivered to public digital system deputy to mandatory communications related to workers
Technology	MS Excel; Visual Basic for Application
Dates	2004 - 2015
Typology	Customized websites, including ones based on the common CMSs
Description	Websites with dynamic layout and content, database implementation, e-commerce solution and custom applications to provide facilities booking services and shared private repository used by scientific research groups
Technology	CMS: Drupal, Mambo, Joomla; CSS, HTML, JavaScript, PHP
Dates	2006 – 2010
Typology	Flash animations
Description	2D and 3D animations, including interactive ones, used for web advertising campaign
Technology	Adobe Flash; ActionScript
Date	2010
Typology	SS – stand-alone software
Description	Business software to manage customers' information, services and invoices
Technology	MS Access; Visual Basic for Application
Date	2007
Typology	MyPhotos – stand-alone software
Description	Tool to visualize, store and manage photos distributed in various albums
Technology	MS Access; Visual Basic for Application
Date	2006
Typology	RPG – stand-alone software suite
Description	Tools suite to manage the therapy sessions according to the postural rehabilitation techniques
Technology	MS Access; Visual Basic for Application
Date	2005
Typology	Hard C-Means Clustering – stand-alone scientific software
Description	Visual cluster analysis tool enabling user to modify input such as, for example, cluster number, distance metric, normalization and conversion according to the Principal Components Analysis. In terms of output, user can view graphically data such as: input dataset, main components, classification, cluster centroids and simulation errors
Technology	Matlab
Date	2005
Typology	BST – distributed multimedia teachware
Description	Hypertext-based and multimedia-based teaching tool about a well-known data structure in computer science: the binary search tree. This software is divided into several sections and gives end-user the opportunity to study the topic following different knowledge paths. The guided tour brings user through the content, from basic concepts to progressively more complex ones. The free path shows the content into structured schemas: definitions, properties, operations and use. So user is free from constraints and can build their knowledge by self. Images and animations help understanding of complex concepts: the interface is simple and intuitive in order to make learning process easier. User's learning is verified by tests provided by the software
Technology	CSS, HTML, JavaScript

Date 2004
 Typology Silvia – distributed business software
 Description This software displays sales and purchase stats, exports data and dynamically creates virtual brochure useful to show client products and to manage purchase orders
 Technology MS Access; Visual Basic for Application

Date 2000
 Typology Fuzzy Visibility Analyzer – stand-alone scientific software suite
 Description The software suite is composed by: a wizard that guides the user to the generation of a fuzzy digital elevation map starting from a crisp digital elevation map; the fuzzy visibility analyzer that exchanges data with the most common GISs, allows the creation of geometrical visibility map, defines the surface visible from a fixed viewpoint and solves the problem of telemetric acquisition of animals' position by radio-tracking
 Technology Borland C++ Builder

Date 1998
 Typology MyParser – stand-alone software
 Description Lexical and syntactic analyzer to compute formulas from input data streaming
 Technology Scheme

Date 1998
 Typology MyTSR – terminate and stay resident program
 Description DOS-call based TSR, loads the stub into RAM, modifies the interrupt vector table and, on user demand, kills the process actually in execution displaying all data stored in the registers, stack and the memory dump for a x86 architecture
 Technology Assembly

Personal skills and competences

Mother tongue(s) **Italian**

Other language(s)

Self-assessment

European level

English

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

(*) *Common European Framework of Reference for Languages*

Additional information

PUBLICATIONS

Dal rilievo topografico alla rappresentazione virtuale; Cristaldi M., Furno P., Galeazzi M.; Geo4all – GEOmedia no. 1, 36-39pp (2004)

Servizi Web-GIS per utenti mobili come exploitation del Progetto Europeo Odin; Cristaldi M., Delprato U., Furno P.; Tech Data /Autodesk – GIS Solutions no. of May, 11-14pp (2004)

A fuzzy approach to visibility maps creation over digital terrains; Anile M.A., Furno P., Gallo G., Massolo A.; Elsevier Science – Fuzzy Sets and Systems no. 135, 63-80pp (2003), DOI 10.1016/S0165-0114(02)00250-6

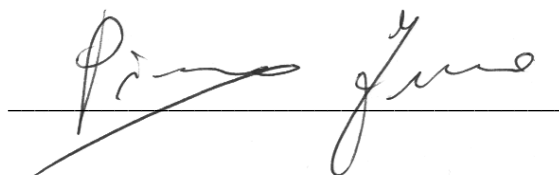
PERSONAL INTERESTS

Reading, music, meditation and travelling

The undersigned is aware that, pursuant to art. 26 of Law 15/68, false statements, false documents and use of false acts are punishable under the Italian Penal Code and special laws. Furthermore, authorizes the processing of personal data in accordance with Law no. 196/2003 (Privacy Code) only for institutional purposes necessary for the completion of the procedure for which it is sending the present curriculum vitae.

Catania, 23/09/2022

SIGNATURE

A handwritten signature in black ink, written over a horizontal line. The signature is cursive and appears to read 'Pino' followed by a stylized surname.