

PERSONAL INFORMATION



 corso Cristoforo Colombo, 12 interno 4 95039 Trecastagni (CT) - Italy



 [salfi@dmi.unict.it](mailto:salfi@dmi.unict.it)

Sex Male | Date of birth 28/11/1967 | Nationality Italian

WORK EXPERIENCE

From 2004 – till now

**University of Catania**

**Contract Professor**

*Department of Mathematics and Computer Science*  
Professor in Computer science and music (6 CFU).

*Department of Surgery*  
Professor in Computer science and medical Informatics (5 CFU).

*Department of Medical Sciences and Pediatric*  
Professor in Computer science and medical Informatics (4 CFU).

*Department of Bio-Medical*  
Professor in Computer science (2CFU).

*Department of Political Science (Modica RG)*  
Professor in Computer science I (3 CFU).  
Professor in Computer science II (3 CFU).

*Department of Economics (Master in eBusiness)*  
Professor in javascript programming (2CFU).  
Professor in ASP programming and SQL Server administration (2 CFU).  
Office Master Instructor: Advanced Excel and Access (5 CFU).

2014 **University of Enna (Kore)**

**Contract Professor**

Second level Master in "Diagnostics and Environmental Safety"  
Professor in Management techniques and data storage.

From 2009 – till now

**Etnasoftware srl****Founding member, CEO and Head of Software Division**

Etnasoftware produces/sells management solutions (all have a client-server and web modules) and hardware-software Time and Attendance and Access Control solutions, also produces and markets virtual-TV, a system for disseminating multimedia content through multi-screen. Key competences of Etnasoftware are the design and development of software solutions (stand-alone, client-server and / or Internet-intranet) in various application areas (management, business intelligence, automation systems, etc.), design and realization of Time and attendance and access control systems, design and installation of RTLS (Real Time Location System).

Design, analysis and software development of the following projects:

- Client/server and web based software “Trasporti”;
- Web based e-commerce software “Easy”;
- hardware and software infrastructure “virtual-TV”;
- Time and attendance system based on “Timecard” module (lite and standard editions), *send http request* and *send clocking in out* windows services;
- “Importer lite” and “importer web” communication software;
- Front-office and back-office hardware and software infrastructure “Geos” for GDO;
- Time and attendance virtual terminal “iTerminal 3” and “iTerminal 5” based on Android smartphone;
- Time and attendance terminal “Monolith 7” and “Monolith 10” based on Android tablet;
- Access control suite “Security”.

For details: [www.etnasoftware.it](http://www.etnasoftware.it)

From 2012 – till now

**vEyes (virtual Eyes) - ONLUS**  
Founding member and President

The vEyes (virtual Eyes) - NPO association intends to operate mainly in the areas of sensory, cognitive and motor disability, with particular reference to visual impairment. The interests of vEyes have expanded by assistive technologies, towards the realization of support tools for medical research, biomedical research, bioinformatics and genetics research as well, with a focus on degenerative diseases, leading to severe vision losses as a primary result, up to eventual blindness. We are also dedicated to prevention, always within the field of eye diseases, especially in children. Among the scientific research activities managed and designed by myself from June 2012, there are:

- *vEyes Wear*, awarded to "think for social" as innovative project that takes advantage of new technologies to better respond to current and future social needs, the wearable platform vEyes Wear is an open hardware and software platform based in this release on glasses and belt on which it is possible to integrate, as vertical applications, individual "building blocks", ie technological solutions based on the development of apps for Android and based on the realization of devices with Arduino or Raspberry microcontrollers;
- *Genomic Info* project, a database that collects genetic information on Retinitis Pigmentosa;
- *vEyes RNP* (National Register Patients) project, a web system through which to manage all people with inherited retinal dystrophies.
- *vEyes Learning*, a learning platform based on mobile technologies (Android tablet), wearable technologies (Arduino LilyPad) and cloud computing, which makes educational activities accessible to people with sensory disabilities and wheelchair users (with motor impairment that would also involve the upper limbs). The disabled can be as the teacher as the learner.
- *vEyes RRE (Red Reflex Examination)*. The goal of vEyes RRE project (based on redEyes Android app) is to do red reflex testing by using an Android smartphone or tablet device. In this way it is possible to analyze colour, shape and any anomaly in eye red reflex. By using this system, anyone can verify a possible presence of congenital cataracts, glaucoma, retinoblastoma in the neonatal period and till at least 3/4th years of age.
- *visual BCI*, a project that aims, in its first step, through the use of unidirectional Brain Computer Interfaces, to record and to study brain electrical activity associated with the stress of visual stimuli.

For details: [www.veyes.it/en](http://www.veyes.it/en)

From 2003 – to 2008

**ML-tech srl**  
Founding member and Head of Software Division

ML-tech provides consulting and training services and produces/sells ML-X. ML-X is an integrated system for the display of business and service contents in public environments. Design, analysis and software development of the following projects:

- Software "Datastat ufficio" for "Compagnia della bellezza" and "Capellimania";
- ML-X hardware and software platform;
- Software "Byller", a billing system for Cisco CallManager CDR (Call Detail Records);
- Monitoring Controlled Companies software, for Regione Calabria.

From 2000 – till 2007

**Poste Italiane SpA – Divisione Rete Territoriale  
Direzione Operazioni Sviluppo Sistemi (Roma)  
Project Manager**

Project Manager and software developer for following projects:

- Queue Manager (“Rete 2000” project);
- Final accounting Training courses platform;
- Human Resources management system;
- “New layout of post offices” management system;
- “Money exchange of international money orders” system for BancoPosta division;
- SAL monitoring system.
- Web portal for Regional Human Resources;
- SAN flight management system.
  
- Feasibility study analysis for following projects:
  - Asset assessment;
  - Applications for Multimedia Totem;
  - Staff evaluation system.

From 2005 – till 2007

**Cultural association M.A.S.T. (Music, Art and Theater Performances)  
Founding member and President**

The cultural association M.A.S.T. promotes, produces and organizes theatrical, musical, literary, art and dance performances; literary and musical publishing, ensure publication, distribution and sale of audio-visual, on multimedia or paper format, using the proceeds of such activities to charitable purposes.

Lyrics, music, story and co-stage director for following performance:

“Ma cosa vuoi che sia” musical. The premiere was on 3<sup>th</sup> and 4<sup>th</sup> December, 2005 on the theatre “La tenda di Ulisse” in Catania.

**EDUCATION AND TRAINING****New York University (New York, USA)****Master in computer science and music**

I won a bursary at University of Catania for:

- To work to a project called “Reading music”. Tutor: Prof. J.T. Schwartz;
- To study at Institute of Performing arts “Graduate Musical Theatre Writing Department”.

**University of Catania****Degree in computer science**

Three years in electronic engineering and five years degree in computer science (magna cum laude). Thesis on Artificial intelligence and music: “A new system of automatic musical composition ‘style-imitative’ based on analysis and formalization of processes creative-musical perception and artificial intelligence techniques”. Supervisors Prof. V. Cutello and Prof. Vivian De La Cruz.

**Conservatory “V. Bellini”, Catania****Graduate in music theory and Piano**

- Graduate in music theory (Prof. M. Inguscio and Prof. R. Insolia), vote 10/10;
- Bachelor's 5<sup>th</sup> year of piano (prof. A. Catania), vote 10/10;
- Bachelor's 8<sup>th</sup> year of piano (prof. A. Catania), Harmony (Prof. Giuffrida) and Story of the music (Prof. D. Miozzi), vote 9/10.

**S.I.A.E. (Italian Society of Authors and Editors)****Author and Composer**

Admitted from 1989 (music section) and from 2005 (D.O.R. section). Position number 87733.

**Microsoft certifications**

- “Network administrator on windows NT” - Global Knowledge, Milan (till 2000);
- “Advanced visual basic programming” - Mondadori Informatics Education, Rome (till 2000);
- "Office XP Microsoft Office Specialist Master Instructor". MOS Master Instructor ID 16203.

**Other specialized trainings**

- “Strategic Problem Solving” - METHODOS Milan;
- “Strategic communication” - METHODOS Milan;
- “Il lavoro e la regola: le tecniche di ascolto” - Askesis Varese (Supervisor Massimo Folador);
- “Il colloquio in azienda”;
- “Docent platform administrator”;
- “Relazioni di lavoro” - (supervisor prof. Arturo Maresca), Rome;
- “Il Sistema di Gestione per la Qualità (secondo ISO 9001:2000)” - Galgano & Associati srl Rome;
- “Populating a Data Warehouse with SQL Server 2000 Data Transformation Services” - EIDOS, Rome;
- “Exchanging and Transforming Data Using XML and XSLT” – EIDOS, Rome;
- “Visual Basic 6 Advanced Topics” - Mondadori Informatica Education, Rome;
- “SQL 2000 Implementing a Database Design” - Mondadori Informatica Education, Milan;
- "Java Programming" - Mondadori Informatica Education, Milan;
- “Programming in Ansi C++” - Mondadori Informatica Education, Milan;
- “Web Programming” - Oasi Networks Palermo;
- “Visual Basic 5 Programming” - Oasi Networks Palermo.

**IBM, Catania**

- “Advanced functions for S/36 terminal operator”;
- “S/36 operator system”;
- “Batch programming in RGPII S/36”;
- “Interactive programming on S/36”.

**Croce Rossa Italiana, Catania**

53<sup>th</sup> edition of training course for aspiring volunteer First Aid.

**A.V.U.L.S.S., Catania**

Training course for aspiring volunteer in Social Health activities.

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B1	B1	B1	B1	B1
Replace with name of language certificate. Enter level if known.					
French	A1	A1	-	-	-
Replace with name of language certificate. Enter level if known.					

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user  
Common European Framework of Reference for Languages

**Communication skills** Excellent communication skills gained through my experience as professor, team manager and company manager.

**Organisational / managerial skills** Excellent organisational and managerial skills and human resources management.

**Computer skills**

- Operating systems: Microsoft Windows (NT/20xx Server, Windows 9x / Me / XP / Vista / 7 / 8/ 10), IBM S/36, Linux, Android, Windows Phone;
- Mobile programming: Android, Windows Phone;
- Windows client/server and desktop programming;
- Arduino and Raspberry microcontroller programming and hardware assembly;
- Programming languages: Visual Basic, C#, C/C++, Java, RPGII, Pascal, Fortran;
- Back office: Microsoft SQL/SNA/PROXY/IIS server;
- Web programming: VBScript, Javascript, ASP, ASP.NET, DHTML, XML/XSLT, Music XML, SVG;
- IDE: Microsoft Visual Interdev, Microsoft .NET, Eclipse;
- Others: ACID, Cubase VST/SX, Cool Edit PRO, Cakewalk PRO Audio, Audition, Finale, Edius, Photoshop.

**Other skills**

- Graphics ( techniques: charcoal, china);
- Painting (techniques: oil, watercolour);
- Artificial intelligence and music;
- Music cognition;
- Astronomy;
- Photography;
- Modelling;
- Swimming.

**Driving licence** B

## ADDITIONAL INFORMATION

Publications  
Presentations  
Projects  
Conferences  
Seminars  
Honours and awards  
Memberships  
References

**Prossimi passi della ricerca tra reali prospettive e aspettative dei pazienti**Naple and Milan, 21<sup>th</sup> May, 2016

Organized by "Retina Italia ONLUS" (National Association of Retinal Dystrophies).

"Aids and applications of assistive technologies. Innovative technologies: results, limits and future developments" - speaker Massimiliano Salfi.

**"Il canto della bougainvillea"**

Novel by Massimiliano Salfi, self-published with "Il mio libro" (2014)

ISBN 9788891081766

For details: <http://ilmiolibro.kataweb.it/schedalibro.asp?id=1096174>**DI Stanze 2011**From 12<sup>th</sup> to 14<sup>th</sup> April, 2011

Organized by "CIMA", in collaboration with the Department of Mathematics and Computer Science of Catania, with the sponsorship of the Conservatory of Santa Cecilia in Rome, the Federation CEMAT and the Italian Association of Music Informatics. Announcer and computer science and music expert.

**Fare Memoria 2010**

Department of Philosophy and Letters – University of Catania

"Infinities", supervisor Prof. John D. Barrow.

Dramatization (recitation, choreographic movements and music) of some pieces of literature relevant to the Prof. Barrow' subject. Adaptation edited by Ezio Donato, music composed by Massimiliano Salfi, choreographic movements by Mariastella Anile, interpreters Pippo Pattavina, Valeria Contadino and students of the School of Dramatic Art "Umberto Spadaro" of the Teatro Stabile di Catania.

**Fare Memoria 2009**From 20<sup>th</sup> to 21<sup>th</sup> November, 2009

"Mathematical models and legacy of Galilei", supervisor Prof. Quarteroni .

Application of Computer Vision and Computer Music in a live performance of dance. A dancer, shooting through a camera, interacts with a sound spectrum analyser. Scientific Coordinator, computer music expert and musical author: Massimiliano Salfi, dancer: Mariastella Anile.

**Marranzano World Festival, 3<sup>th</sup> Edition**From 31<sup>th</sup> October to 8<sup>th</sup> November, 2009

Concerto for bagpipes, clarinet and electronics. Musical adaptation and orchestration for Ensemble clarinets and bagpipes "a paro" de "Siculiana" by Massimiliano Salfi. Ensemble "Calamus" - solo bagpipe "a paro", Giancarlo Parisi.

**Sicilia giovani - Auditorium "Le ciminiere", Catania**

June, 1998

Author of the theme song of the performance presented by Pippo Baudo (among guests Raffaele Paganini, Heater Parisi, Michele Zarrillo and Ivana Spagna).

**"Poche idee ma confuse", Giallotaxi**

Co-author, musician and chorister of the CD "Poche idee ma confuse" by Giallotaxi.

Published by RTI Music (2006).

**Spoletto arte '95**

3<sup>th</sup> place with the song "In tutti i giorni miei" (M. Salfi), section songwriters.

**Sanremo new talents '93**

Finalist with the song "Vieni via con me" (M. Salfi), included in the finalists' CD compilation. Published by MAP Milan editions, produced by Publipanama and Radio Sanremo (1993).

**Una vita per la musica, una musica per la vita**

First record production containing 8 songs of his own composition. Published by Gigolone Edizioni Musicali, Milan (1991).

**"Festival degli sconosciuti", Ariccia**

From November, 1990 to July, 1991

Semifinalist.

**"Premio nazionale artemare '90", Riposto**

August, 1990

Award for the best lyric (section songwriters) awarded by a jury headed by songwriter Franco Battiato.

**University of Catania**

Supervisor for the following thesis:

- "Brain Computer Interface: lo stato dell'arte e le applicazioni nel campo della disabilità" di Nicolò Monarca.
- "Progetto vEyes: implementazione di un glucometro accessibile a non vedenti" di Giuseppe Brischetto.
- "vEyes: implementazione di un launcher e di un calendar per il Sistema Operativo Android accessibili a disabili visivi" di Simone Fazio.
- "vEyes Tracer Path" di Salvo Corsaro.
- "vEyes Vocal Text Reader: Progettazione ed implementazione di un sistema di lettura vocale di testi per non vedenti basato su device Android - Strumenti di navigazione e gestione testi - " di Viviana Zimbone.
- "vEyes Vocal Text Reader: Progettazione ed implementazione di un sistema di lettura vocale di testi per non vedenti basato su device Android - Modulo di acquisizione testo e riduzione degli errori - " di Gianluca Giannone.
- "vEyes: Colorimeter for Visually Impaired using Arduino. Implementazione Hardware e Software di un colorimetro per ipovedenti e non vedenti." di Carlo Nicolò Carmelo Zermo.
- "vEyes: implementazione di un'applicazione che renda accessibile la visione ad un soggetto affetto da daltonismo" di Luciano Cipria.
- "vEyes: implementazione di un'applicazione che renda accessibile la visione ad un soggetto affetto da daltonismo" di Luciano Cipria.
- "vEyes: Sviluppo di un'applicazione Multi-Platform video-ludica per ipo e non vedenti attraverso l'uso dello Square Engine Plus" di Federico Fausto Santoro.
- "vEyes: sperimentazione soluzioni di puntamento basate su dispositivi mobili Android e microcontrollori Arduino" di Andrea Caruso.
- "Realizzazione di una App per la costruzione automatica di partiture da input audio" di Giancarlo Cannizzaro.
- "Il sistema Swan: implementazione gestione riconoscitore melodico basato su sequenze numeriche, analisi e sperimentazione sui dati ottenuti" di Roberta Grienti.
- "Progetto vEyes: realizzazione di applicazioni di riconoscimento colore e luminosità ambiente per dispositivi Android" di Marco Giovanni Gallo.
- "Progettazione e realizzazione di una piattaforma per la sintesi di suoni complessi" di Giorgio Maglia.
- "Analisi di sistemi biometrici per il riconoscimento di identità attraverso tonalità, velocità e timbrica vocale" di Michele Sorbera.
- "Internet e l'audio digitale: dal campionamento alle tecniche di compressione" di Francesco Reale.



- “Analisi e descrizione di applicativi software e ambienti di sviluppo per Informatica Musicale” di Daniela Scalogna.
- “Algoritmi di denoising: stato dell’arte e caratterizzazione di metodi STSA in ambiente MATLAB” di Corrado Grienti.
- “Sistema per la visualizzazione di partiture in XML musicale: l’output grafico” di Andrea Centorbi.
- “Sistema per la visualizzazione di partiture in XML musicale: il parsing” di Giampiero Sciuto.
- “mp3: stato dell’arte su possibili alternative” di Adele Magro.
- “Studio e realizzazione di interfacce per la gestione di regole in sistemi di controlli di accessi” di Dino Privitera.
- “Implementazione sistema ‘Gestione delle Convocazioni’” di Sebastiano Trovato.

I authorise the use of my personal data in compliance with Legislative Decree 196/03.