

# EUROPEAN CURRICULUM VITAE FORMAT



## PERSONAL INFORMATION

Name	EMILIO FRANCESCO GIUSEPPE FUOCO
Address	Via Quinto Ennio, 68 - 72021 Francavilla Fontana (BR) - Italy
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e-mail	emiliofuoco@gmail.com
Nationality	IT
Date of birth	22 NOVEMBER 1982

## WORK EXPERIENCES

- Name and address of employer Sistemi Software Integrati S.p.A. (a Finmeccanica Company) – Viale del Lavoro, 101 – 74123 Taranto (TA) – Italy.
- Type of business or sector Design, development and marketing of large and advanced software systems for space, military and civil applications.
- Main activities in Sistemi Software Integrati
  - ✓ Since October 2005 to present as software engineer.  
Architectural design, implementation of ECP (Engineering Change Proposal) and corrective maintenance on EGNOS (European Geostationary Navigation Overlay Service) CCF (Central Control Facility) MMI (Man Machine Interface) – version 2.  
Ground segment system, MMI, C++, Java, Solaris and Linux platforms, ILOG Views GUI (Graphical User Interface) framework and Java Swing.
  - ✓ Since February 2005 to April 2006 as software engineer.  
Design, implementation, corrective and perfective maintenance of a software component called “STEMAS Front End” in the STEMAS (Simulatore di scenari Tattici E Modellatore di Attori Sintetici) software system.  
Writing of ICD (Interface Control Document) about communication between “STEMAS Front End” and “STEMAS Back End” software components.  
Computer simulation system, MMI, UML (Unified Modeling Language), HLA (High Level Architecture), Linux, C++, Qt GUI framework.
  - ✓ Since November 2004 to February 2005 as software engineer.  
Corrective maintenance on EGNOS CCF MMI – version 1.  
Ground segment system, MMI, C++, Solaris platform, ILOG Views GUI framework.
  - ✓ Since April 2004 to October 2004 as software engineer.  
Analysis, design and implementation of a software application called “webADS”, to manage ATC (Air Traffic Control) messages incoming from ADS (ATC Data Server) subsystem in EGNOS CCF.  
The application has been developed within the stage in Sistemi Software Integrati and was the object of my university thesis.

UML, Object Oriented Analysis and Design (OOA&D), Java, Java Server Pages (JSP), Hyper Text Markup Language (HTML), MySQL.

## EDUCATION AND TRAINING

- Dates Since November 2004 to December 2012.
  - Name and type of organization providing education and training University of Bari – Italy.  
Specialized degree in Informatics – mark 107/110.  
I defended a thesis called "EDEBIS (EGNOS Data Extractor and Business Intelligent System: implementazione di una soluzione di Business Intelligence per il monitoraggio di un sistema di navigazione satellitare globale".
  - Main subjects of this degree course Advanced human computer interaction, advanced database system, data warehouse, data mining, software engineering, project management, logic programming (Prolog).
  - Main projects developed within this degree course
    - ✓ Analysis, design and implementation of an expert system developed by using logic programming (Prolog) in order to recognize the musical genre of a track.  
The project was developed with a team composed by 2 people within the framework of the "Artificial Intelligence" course.
    - ✓ Analysis, design and implementation of a web software application to manage the web site of the informatics department: implemented operations are focused on the management of data related to teachers, students, courses and classrooms booking.  
The project was developed with a team composed by 3 people within the framework of the "Advanced Database system" course.  
Database design methodology, web software design methodology, PHP, PostgreSQL.
    - ✓ Analysis, design and implementation of an experiment on open source software projects collected on SourceForge website. The goal of the experiment is to identify the correlation between traffic, communication, development and maintenance metrics associated to each project.  
The project was developed with a team composed by 2 people within the framework of the "Advanced Database system" course.  
Empiric study, FSP (Formal Structured Planning) formalism, GQM.
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- Date Since October 2001 to October 2004.
  - Name and type of organization providing education and training University of Bari – Italy.  
Degree in Informatics – Full marks and honors.  
I defended a thesis called "webADS: sviluppo di un'applicazione web per il monitoraggio di un sistema di navigazione satellitare globale".
  - Main subjects of this degree course Operating systems, algorithms and data structures, database, software engineering, network programming, advanced methods of software programming.
  - Main projects developed within this degree course
    - ✓ Analysis, design and implementation of a search engine called "MovieFinder" developed in Java and based on "vector model". Its goal is to search information in a database containing film data and display it to user in a web page.  
The project was developed with a team composed by 4 people within the framework of the "Business knowledge management" course.  
Information Retrieval, search engine theory, OOA&D, UML, Java, JSP, XML (eXtensible Markup Language), SAX (Simple Api for XML), DOM (Document Object Model), HTML.
    - ✓ Developing of a GQM (Goal Question Metric) to characterize WFMS&BI (Work Flow Management System and Business Integration) tools.  
The project was developed with a team composed by 4 people within the framework of the "Modelli di valutazione e miglioramento del software" course. The project was ordered by Abaco Software & Consulting S.p.A. and selected by the company as the best case study.

Software quality models, GQM.

- ✓ Design and implementation of a software application called "Terra" to manage an XML file containing geographical data.  
The application has been developed within the framework of the "Network Programming" course.  
UML, XML, Javascript, HTML, CSS (Cascading StyleSheet) and SVG (Scalable Vector Graphic).
- ✓ Design and implementation of a software application to solve linear systems by using the Gauss method and Jacobi method.  
The application has been developed within the framework of the "Numerical Calculus" course.  
Matlab.
- ✓ Analysis, design, implementation and testing of a software application called GENLAPP (GENerazione Automatica Lista APPLICazioni), showing in a browser the list of applications associated to a specific user.  
The project was developed with a team composed by 4 people within the framework of the "Engineering Software" course. The project was ordered by Abaco Software & Consulting S.p.A. and selected by the company as the best case study.  
Unified Modeling Language (UML), Object Oriented Analysis and Design (OOA&D), Java, Java Server Pages (JSP), eXtensible Markup Language (XML) and Hyper Text Markup Language (HTML).

• Dates	Since September 1996 to July 2001
• Name and type of organization providing education and training	Istituto Tecnico Commerciale Statale "Giovanni Calò" – Francavilla Fontana (BR) – Italy
• Main subjects	Informatics, Maths, Accountancy, English, Law, Political Economy.
• Title of qualification awarded	Diploma in "Commerciale Programmator" - Mark 100/100.

## **PERSONAL SKILLS AND COMPETENCES**

MOTHER TONGUE ITALIAN  
OTHER LANGUAGES ENGLISH  
Reading skills: very good  
Writing skills: very good  
Verbal skills: very good

FRENCH  
Reading skills: Base  
Writing skills: Base  
Verbal skills: Base

## **TECHNICAL SKILLS AND COMPETENCE**

- ✓ Programming languages: C, C++, Java, Pascal, Cobol, Matlab;
- ✓ Object Oriented Analysis and Design;
- ✓ Data warehouse;
- ✓ Data mining;
- ✓ Design by pattern;
- ✓ UML (Unified Modeling Language);
- ✓ Logic programming (Prolog language);
- ✓ UML tools for software development and modelling: Enterprise Architect (Sparx Systems);

- ✓ Operating Systems: Linux, Solaris, Microsoft Windows;
- ✓ GUI framework: ILOG Views and Qt;
- ✓ Database: Microsoft Access, MySQL, PostgreSQL;
- ✓ Server-side scripting language: JSP(Java Server Pages), PHP (Hypertext Preprocessor);
- ✓ Client-side scripting language: Javascript;
- ✓ Markup and meta-markup language: HTML (HyperText Markup Language), CSS (Cascading StyleSheet), XML (eXtensible Markup Language), XSL (eXtensible Stylesheet Language);
- ✓ XML applications: SVG (Scalable Vector Graphic);
- ✓ Configuration Management (CM): CA/Harvest (Computer Associates);
- ✓ Assembly language Intel 8086/88;
- ✓ HLA (High Level Architecture).

DRIVING LICENCE

Driving License B (Italian Regulation)

**HEREBY EXPRESS MY CONSENT TO THE HANDLING OF MY PERSONAL INFORMATION, ACCORDING TO THE ITALIAN LAW 675/96. MOREOVER, I HEREBY DECLARE THAT ALL INFORMATION AND PERSONAL DATA CONTAINED IN THIS CV ARE COMPLETE AND TRUE.**

15/01/2013

Emilio Francesco Giuseppe Fuoco