

VINCENZO FERME

ABOUT ME

Birth: Castellammare di Stabia (NA), 26th February 1987
Nationality: Italian, Swiss
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WORK EXPERIENCE

- April 2014 - Present
Software Institute, Università della Svizzera Italiana (USI)
Ph.D. Project: BenchFlow - A Benchmark for Workflow Management Systems. The goal of the BenchFlow project is to design the first benchmark for assessing and comparing the performance of workflow management systems.
- June 2013 - March 2014
Connexun S.r.l. at University Milano-Bicocca
Software Engineer and Java Developer: implementation of a software system that allows discovering Point Of Interest (POI) from web resources, and identifies POIs relevant to cross-cultural communities, through data analysis and semantic techniques.
Team: five people.
Supervisors: Prof. Carlo Batini, Prof. Matteo Palmonari.
- December 2012 - September 2013
ESSeRE Lab - University Milano-Bicocca
Internship: study of object-oriented software quality models.
Study and implementation of techniques for the analysis of software quality metrics.
Design, implementation, and testing of a tool for object-oriented software metrics computation and *design flaws* detection.
- March 2010 - October 2010
L.U.S.I. Lab - University Federico II
Internship: study of signal processing techniques. Study of the Markov model for speech recognition. Study and implementation of algorithms for speech decoding.
- May 2008 - September 2012
Pubblimedia (Telecommuting)
Webmaster and Web Developer: analysis, design and development of web applications. Realisation of static and dynamic web sites (e.g.: e-commerce, booking) in asp, php, html and ajax following W3C standards, and its back-end management. Optimisation of websites for search engines indexing.

EDUCATION

- April 2014 - Present

Ph.D. Student at Software Institute, Università della Svizzera Italiana (USI)

Project: BenchFlow - A Benchmark for Workflow Management Systems. The goal of the BenchFlow project is to design the first benchmark for assessing and comparing the performance of workflow management systems.

Advisor: Prof. Cesare Pautasso.

- September 2010 - September 2013

Master Degree in Informatics with specialisation in Design and Development of Software Systems, at University Milano-Bicocca - Dipartimento di Informatica Sistemistica e Comunicazione (DISCo), Milan.

Experimental thesis in *Quality and Evolution of Software Systems*. Title: "*JCodeOdor: A Software Quality Advisor Through Design Flaws Detection*".

Graduation mark: **110/110 summa cum laude**.

- September 2006 - October 2010

Bachelor Degree in Informatics, at University Federico II - Facoltà di Scienze Matematiche, Fisiche e Naturali (MM. FF. NN.), Naples.

Experimental thesis in *Natural Language Processing*. Title: "*Algoritmi di decodifica per modelli del linguaggio nel riconoscimento del parlato*".

Graduation mark: **110/110 summa cum laude**.

- September 2001 - July 2006

High School Diploma of Scientific Lyceum, at Liceo Scientifico Galileo Galilei, Potenza.

INTERNATIONAL SCIENTIFIC PUBLICATIONS (*MOST RELEVANT ONES*)

M. Skouradaki, V. Ferme, D. H. Roller, F. Leymann, C. Pautasso, "On the Road to Benchmarking BPMN 2.0 Workflow Engines," in *6th ACM/SPEC International Conference on Performance Engineering (ICPE)*, 2015.

V. Ferme, A. Ivanchikj, and C. Pautasso, "A Framework for Benchmarking BPMN 2.0 Workflow Management Systems," in *13th International Conference on Business Process Management (BPM)*, 2015.

F. Arcelli Fontana, V. Ferme, A. Marino, B. Walter, and P. Martenka, "Investigating the Impact of Code Smells on System's Quality: An Empirical Study on Systems of Different Application Domains," in *29th IEEE International Conference on Software Maintenance (ICSM)*, 2013.

SCIENTIFIC PAPERS REVIEWS

EASE 2014, WeTSOM 2014, IEEE Transactions on Services Computing, BPM-WS 2015, IEEE Cloud Computing, Software Engineering Journal

ACADEMIC SERVICE

Program Committee: PEaCE 2016, MTD 2017, ICPE 2018 - Artefact Evaluation Track, ZEUS 2018

ACADEMIC PROJECTS

- December 2010 - November 2012

University Milano-Bicocca: Team leader of a group of eight components part of a larger team (Scrum development process): design, construction, reverse engineering, quality analysis and testing of a JAVA EE system.

Interaction design of a new social network for off campus students.

Teach a lesson in topic Open Data to a group of students.

Analysis of Linked Data and Ontologies in order to seek and to compute information.

Design and implementation of a Facebook application to manage user community.

- March 2008 - March 2010

University Federico II: Analysis, design and implementation of a system for the sale of tickets for mass events.

Implementation of a database and a socket-based application, for role-playing games.

Implementation of an application in java for the management of databases.

- February 2007 - September 2008

IBM - The DB2 on Campus Portal: Coordinator of the software development process using Rational RequisitePro and Software Architect.

LANGUAGE SKILLS

Italian: Mother tongue.

English: Good level of understanding, writing and speaking.

IT SKILLS

Operating Systems

Daily use of: Mac OS X, Ubuntu (Linux).

Good knowledge of: Windows Xp, Windows Vista, Windows 7, Windows 8.

Computer languages

Excellent knowledge of: UML, BPMN, Java, SQL, SPARQL, RDF, JavaScript, AJAX, HTML, HTML5, XHTML, XML, CSS;

Good knowledge of: Go, R, php, asp, c++, c, vbscript, java EE, DOS, Matlab, MPI, PL/SQL, posix thread, linux socket, RESTful Web Services, awk, shell scripting, assembler, OWL, CMS Wordpress, CMS Joomla, HTML 5, jQuery, Facebook API, Google API, Lucene.

Software

Excellent knowledge of: Docker (Docker Campus Ambassador since Luglio 2017), Faban, Eclipse, IntelliJ IDEA, GitHub, MySQL, Microsoft Office (ECDL certification awarded in 2006);

Good knowledge of: Visual Studio, IBM Rational RequisitePro, IBM Rational Software Architect, IBM Rational Quality Manager, IBM DB2 Developer Workbench, R, IBM SPSS, DELL CMC, DELL iDRAC, JMeter, Apache Spark, Apache Cassandra, Apache Kafka, Oracle, PostgreSQL, Glashfish, NetBeans, Node.JS, Express.JS, Adobe Photoshop, Adobe Premiere, Adobe Flash, Matlab, Praat, CSV, SVN, Git, Maven, Dreamweaver.

HOBBIES

Ski, Mountain Bike, Down Hill, Swimming, Basket, Reading.

AVAILABILITY

Willing to travel throughout Italy and abroad.