europass Curriculum vitae

Personal information

Francesco Farina

UK: 12 The Shires, Bowes Road, Staines-upon-Thames, TW18 3AD, UK
IT: Via Nofilo 13, Pellezzano (SA), 84080, Italy

UK: +44 (0)7847725203
IT: +39 380 233 1336

mail.farinafrancesco@gmail.com

Skype francesco.991

indiependente.github.io

Gender Male | Date of birth 17/10/1991 | Nationality Italian

WORK EXPERIENCE

Apr 2017 - in progress

Technical Support Engineer

ServiceNow
1 Bridge Street, Staines-upon-Thames, UK

Customer Support - Integrations: email infrastructure, Single Sign-On, Data Import/Export, Web Services. Building tools for task automation in Go.

EDUCATION AND TRAINING

Oct 2016 - Apr 2017

Erasmus+ Internship

ServiceNow, UK

In-depth knowledge of the ServiceNow platform acquired through attendance of the System Administration, Scripting, Discovery, Application Creation classes, applying and enhancing it in internal projects in the Training department.

Supervisor: Dr. Raffaele Manfellotto

Dec 2013 - Sept 2016

Master's Degree in Computer Science

EQF Level 7

University of Salerno - Department of Computer Science

Specialization in computer networks, parallel and concurrent computing, grid and cloud computing, distributed systems, data analysis, data integration, computational and artificial intelligence, security and cryptography, compilers, virtualization, advanced algorithms, social networks structure and robotics.

Graduation Mark: 110/110 cum Laude

Thesis Title: "A more efficient implementation of the subgraphs-world for the Glauber Dynamics in the Ising Model", supervisor: Prof. V. Auletta

Sept 2010 – Dec 2013

Bachelor's Degree in Computer Science

EQF Level 6

University of Salerno - Department of Computer Science

Programming languages, operating systems, algorithms, data structures, computer networks, software engineering, parallel and distributed programming, web development and database design.

Graduation Mark: 110/110 cum Laude

Thesis Title: "Aided-Design of agent-based simulations: the architecture of Agent Modeling Platform", supervisor: Prof. V. Scarano

PERSONAL SKILLS

Mother tongue: Italian

Other language

	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1

Latest update: February 27, 2018

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user
Common European Framework of Reference (CEF) level

Communication skills I have good communication skills gained by participating in team made up by many people, during my work and University career.

Organizational / Managerial skills I worked in team made of 2 up to 8 people for academical projects, holding managerial position. I have good job scheduling and problem solving competence, even when time is a critical factor.

Professional skills Thanks to the experience acquired in the last years, I have great problem solving skills, from a computer science related point of view. I can quickly analyze problems and pinpoint the methodologies needed for solving them, in order to provide the best feasible solution in the given schedule. I am a fast learner, therefore I can quickly learn new technologies and methodologies.

Technical skills Advanced knowledge of Microsoft Windows, macOS and Unix-Based operating systems. Great knowledge of Java, Go, Python and Javascript, good knowledge of C, PHP, HTML, CSS, XML, JSON, BASH Scripting, LATEX, Matlab, Prolog, XPath e XQuery. Advanced knowledge of Java SE platform and Eclipse IDE. Good knowledge of the following libraries/frameworks: C Standard Lib, OpenMPI, Apache Hadoop, Java RMI, Java Swing, jQuery, AngularJS, Twitter Bootstrap, Express.js, Apache Axis2, Java FLEX/CUP, Numpy, Pandas, Scikit-learn, NetworkX, Matplotlib. Good knowledge of Assembly MIPS and x86-64. Competences of relational database MySQL, SQL and NoSQL database eXist. Basic knowledge of Prolog, Nvidia CUDA, Haskell, Continuous Integration, Docker and Kubernetes enthusiast. Advanced knowledge of Git version control. Basic knowledge of penetration testing methodologies and tools. Intermediate knowledge of blockchain theory.

Other skills My passion for music brought me to explore the music scene searching for new sounds to listen to with Hi-Fi equipment in order to get the best audio experience. I can play acoustic and electric guitar at a basic level. I have a basic knowledge of Native Instruments Massive and Ableton Live 9 Suite. Basic knowledge of Photoshop and GIMP.

ADDITIONAL INFORMATION

Main Academic Projects

- Master Thesis subject: computing the Gibbs measure of the subgraphs-world dynamics for the Ising model on real world big datasets.
- I developed a Python tool, with a colleague and a research assistant, able to output a car driver's condition, by computing the Arousal level using a hypo-vigilance driver.
- I wrote a survey for the class of "Networks security" about Smart Grids and their security.
- For the class "Structures of the social networks", I implemented and applied centrality measures and one diffusion model to a real-world sample, in order to evaluate the influence of the most important nodes.
- During the class of "Robotics", together with two colleagues, I built a gesture controlled vehicle using the Intel Galileo board as controller and the C++ language.
- In a three member team, for the class "Data integration on web", I developed an NBA players and teams data statistics web application, by gathering and integrating them from several websites using Node.js, Express and Angular.js.
- During the class "Programming languages and compilers", in a team, I developed the lexical, syntactic and semantic analysis modules for a compiler for the didactic language COOL.
- I developed a scalable application, in a six members team, for the class "Advanced operating system", based on MapReduce paradigm and the framework Apache Hadoop2, for the sequence alignment of genomics and proteomics. Also with some of them, I configured and maintained the forty nodes Hadoop cluster .
- For the class "Computer networks II", in a three members team, I contributed to a Firefox extension called NoTrace by developing a graphic visualization of lost information while browsing, using the libraries Sigma.js and Twitter Bootstrap.
- Bachelor Thesis subject: I integrated, with another graduating colleague, the MASON library in a visual design system for agent-based simulations called Agent Modeling Platform, with automated generation of Java code, based on Eclipse, Java, Xpand, Xtend, EMF and PDT.
- In the last years, I studied the Node.js platform and its most relevant modules. I published five modules on `http://npmjs.org`. The development was versioned by git, hosting the code on GitHub. I studied the open source licenses and learned its deploy process.

Latest update: February 27, 2018