

Curriculum Vitae Europass

NB: this curriculum is constantly updated; therefore I recommend you periodically download the latest version by clicking the following link:
https://www.riccardoscibetta.com/cv/curriculum_Dott_Scibetta_Riccardo_ENG.pdf?random=202203189

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Personal informations



Name and surname	Riccardo Scibetta
Phone number	+39 3286054468
E-mail	riccardoscibetta@riccardoscibetta.com
E-mail (secondary)	riccardoscibetta@gmail.com
Website	www.riccardoscibetta.com
Nationality	Italian
Date of birth	05th October 1985
Gender	Male

Work experience

Type of business or sector	Software design and development, activities planning
Employment relationship	Permanent employment, full time
Occupation or position held	• System Analyst • Software Architect • Software Engineer
Main activities and responsibilities	➤ Architectural software design, requirements analysis, management and planning activities. ➤ Interfacing the medical record system with internal / external software ➤ Internal contact person for loading covid data to the National System (SIRGES)
Name of employer	ISMETT s.r.l.
Dates	From February 2020
Type of business or sector	IT consulting, software design and development, activities planning, management information systems
Employment relationship	Freelancer, full time
Occupation or position held	• CIO, CTO and CEO • System engineer • Project Manager • System Analyst • Software Architect • Software Engineer
Main activities and responsibilities	➤ IT consulting, architectural software design, requirements analysis, management and planning activities, managing information systems. ➤ Creation of a linux cloud system and related maintenance and security ➤ Creation of Vision300 (a cloud system for managing advertising on a myriad of monitors, equipped with intelligent software able to self-update its own content) ➤ Creation of VisionGame (a cloud system for sales support)
Name of employer	Freelancer
Dates	From March 2019 to January 2020
Type of business or sector	Software design and development into Data Center sector
Employment relationship	Temporary employment, full time

Occupation or position held	• System Analyst • Software Engineer
Main activities and responsibilities	➤ Architectural software design, requirements analysis, management and planning activities, managing enterprise information systems. ➤ Design and implementation of a middleware for electronic invoicing ➤ Design and implementation of a software module for reading data from health card
Name of employer	Sicily by Car S.p.A.
Dates	From October 2018 to March 2019
Type of business or sector	Software design and development, activities planning, management information systems
Employment relationship	Permanent employment, full time
Occupation or position held	• CIO • Software Engineer • Manager for specific projects (digital signatures, legal storage, time stamps, pharmaceutical drug information crawlers, supplementary forms for medical managers who can print and manage medical informations)
Main activities and responsibilities	➤ Architectural software design, requirements analysis, management and planning activities, managing enterprise information systems. ➤ Design and implementation of a software module for digital signature ➤ Design and implementation of a software module for secure storage ➤ Design and implementation of a software module for the creation and updating of a database with a pharmacological handbook ➤ Design and implementation of part of a management software for clinics, with particular reference to physical and pdf printouts, interfacing with laboratory machinery, safety and implementation of the system core
Name and address of employer	Innogea s.r.l. Via Principe di Belmonte, 102, 90139 Palermo
Dates	From July 2016 to September 2018
Type of business or sector	Software design and development
Employment relationship	Collaboration, part time
Occupation or position held	• Analyst and developer
Main activities and	➤ Design and development of mobile applications in the catering sector

responsibilities	
Name and address of employer	Six Mobile s. r. l. Via Mariano Stabile, 136 90139 Palermo - (IT)
Dates	From May 2016 to June 2016 (free collaboration in order to improve skills)
Type of business or sector	Software design and development
Employment relationship	Internship, part time
Occupation or position held	• Analyst and developer
Main activities and responsibilities	➤ Design and Java development of a general purpose crawler for the informations extraction from internet and social networks ➤ Design and development of a crawler for informations extraction from Facebook, Twitter and Instagram ➤ Development of REST services, document-oriented database (Mongo).
Name and address of employer	Engineering Ingegneria Informatica S.p.a. Palermo headquarters, Viale Regione Siciliana, 7275 – 90146 Palermo (Italy) Tel. 091-75.11.711
Dates	From 20th January 2016 to 19th February 2016
Type of business or sector	Design, development , consulting
Employment relationship	Freelancer, part time
Occupation or position held	• Project manager • Software architect • Developer • Consultant at customers
Main activities and responsibilities	➤ Design and development of software and portals for private customers (renderer for viewing/browsing 3D objects via browser, showcase sites, blogs, chat, etc ...).
Name and address of employer	Freelancer in collaboration with a team of online developers .
Dates	From 3rd January 2012 to 1st April 2015
Type of business or sector	IT consultancy
Employment relationship	Internship, part time

Occupation or position held	• Systems engineer
Main activities and responsibilities	➤ Encryption hard disk ➤ Teaming NICs ➤ Managing LAN via "zeroshell" ➤ VPN creation and managing ➤ VLAN creation and managing.
Name and address of employer	Axception, Via Briuccia, 84 – 90146 Palermo Tel. +39 0917791760 - Fax. +39 0917761761
Dates	From September 2010 to January 2011

Skills, education and training

Title of qualification awarded	Qualification to exercise the profession of Information Engineer, obtained on 12th July 2020
Title of qualification awarded Vote Thesis title Principal subjects/ occupational skills covered Name and type of organisation providing education and training Level in national or International classification	Master's Degree in Computer Engineering 110/110 cum laude <i>Development of a portal for social networks popularity monitoring</i> NB : the portal interfaces with the major social networks in order to extract information and calculate a popularity index user. The publishing house "Edizioni Accademiche Italiane" has expressed its wish both to mention and to publish the thesis or a part of it. In the branch of project management, thanks to the University preparation and experience, I am able to speak clearly and accurately to be understood not only by the working team, but also by the customer. I have a strong ability to organize team work and activities defining a scale of priorities and relations needed among the components of team, to make precise, effective and efficient schedules and to respect the deadlines. I am able to take decisions in critical moments and cope with contingencies, and I adopt the latest advanced techniques of development, many of which come from a remarkable university preparation. Communication, determination and passion have allowed me to achieve success on the Design, Planning and Implementation of IT systems. In the branch of technical skills, I learned the design and implementation/management methodologies of web systems (with the use of various design patterns and languages, such as html, css, xml, xsl, xpath, dtd, JavaScript, jQuery, jQuery UI, AJAX, jsp, php, Mongo nosql database, SQL database like MySql, MariaDB and Firebird, MVC pattern, JDBC, node.js, express, loopback, ionic, cordova, angular 2, couch nosql databases, J2EE, advanced programming in java, spring, etc ...), 3D rendering systems (for example with the use of WebGL), robotic systems (with the use of various systems, including ROS), intelligent systems that make use of modern theories of Artificial Intelligence (as for example the Lisp language), development of microprocessor FPGA (VHDL), development of new programming languages, development of security systems IT, use of software engineering theories for analysis of requirements, design, implementation and testing of software. Further knowledges refer to web systems and software profiling, virtualization with VMWare and VirtualBox, advanced knowledge of computer architectures, digital signal processing, application of theories about image processing techniques, basic theory of corporate management, social theory on the use of new media. University of Palermo (Italy) Master's Degree
Title of qualification awarded Vote Thesis title Principal subjects/	Degree in Computer Engineering 110/110 cum laude <i>Genetic programming applied to wireless sensor networks</i> Managing Linux and Windows operating systems, system programming (in linux environments),

occupational skills covered	C, C ++ and Java programming, multithreaded programming, design and implementation/management of computer networks and automatic control systems, logical systems and databases, learning of computer architectures. Advanced learning of engineering disciplines, such as mathematics, physics, algebra and geometry. Advanced learning of mathematical and numerical methods for computer engineering, advanced learning of algorithms and data structures used in solving computer problems. Learning of electrical communications systems, electronic and electrical engineering.
Name and type of organisation providing education and training	University of Palermo (Italy)
Level in national or International classification	Degree
Title of qualification awarded	Scientific high school diploma
Vote	100/100
Principal subjects/ occupational skills covered	Mathematics, physics, chemistry, astronomy, biology, literature, Italian grammar, Latin, French and English.
Name and type of organisation providing education and training	Scientific high school "Madre Teresa di Calcutta", Piazza Crispi – 92022 Cammarata (AG) (Italy)
Level in national or International classification	High school diploma
Seminars, courses and merits	1 - winner for three consecutive years of high school math Olympics at the High School "Madre Teresa di Calcutta", Cammarata (AG) (Italy) in the school years 1999/2000, 2000/2001 and 2001/2002; 2 - course IBM related to "mainframe processing systems" with vote 30/30, on 16th January 2012; organized by UNIPA and it took place at the "Università degli Studi di Palermo" buildings; it lasted 1 day; 3 - seminar on "Testing, secrets and computing" by Silvio Micali, on 18th February 2013; organized by UNIPA and it took place at the "Università degli Studi di Palermo" buildings; it lasted 1 day; 1 cfu (educational credits); 4 - course on "The radio links and security in wireless networks" at the military barracks "E. Turba" of Palermo (Italy) with the "Mongibello" Battalion of the 46th Signal Regiment, on 5th March 2014; organized by UNIPA; it lasted about 3 days; 2 cfu (educational credits); 5 - Microsoft seminar on the development of Windows 8, and Windows Mobile applications, on 12th December 2014; organized by UNIPA and it took place at the "Università degli Studi di Palermo" buildings; it lasted 1 day; 1 cfu (educational credits); 6 - seminar on "The workflow in productions in computer graphics", on 7th May 2015; organized by UNIPA and it took place at the "Università degli Studi di Palermo" buildings; it lasted 1 day; 1 cfu (educational credits);

7 - seminar on "Measures and optical technologies, from fiber to systems", on 25th February 2015; organized by UNIPA and it took place at the "Università degli Studi di Palermo" buildings; it lasted 1 day;

8 - seminar on "Design and development of an application for mobile devices", on 23th and 24th November 2015; organized by UNIPA and it took place at the "Università degli Studi di Palermo" buildings; it lasted 2 days; 1 cfu (educational credits).

Personal skills and competences

Mother tongue(s) **Italian**

Other language(s)

Self-assessment

European level (*)

English

French

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B1	Independent user	C2	Proficient user	B1	Independent user	C2	Proficient user	C2	Proficient user
B1	Independent user	C2	Proficient user	B1	Independent user	B1	Proficient user	C2	Proficient user

(*) [Common European Framework of Reference for Languages](http://europa.eu/education/languages/framework)

Social skills and competences Ability to work in team and to relate with people either in writing or orally.

Organisational skills and competences Organizational skills and confidence in working groups organization.

Technical skills and competences Ability to manage the hardware of a computer from the technical point of view.

Other skills and competences Knowledge and use of Microsoft Powerpoint, Microsoft Word, Microsoft Project, gimp design software, WordPress, miniPC (for example Raspberry and Cubox), virtual systems, etc ...

Additional information Ability to ease adapt to various situations, contingencies and requirements in the workplace, with a willingness to learn new systems and high speed of learning new framework necessary for the development of projects.

Driving licence European driving license A1 (obtained on 16th October 2003), European driving license B (obtained on 18th December 2003).

Projects carried out in the branch of web systems

www.annuncistudenti.net

www.annuncistudenti.net is a free portal used by university students. From the IT perspective, the site allows you to create profiles and to store ad in a relational database.

www.annuncistudenti.net also enables instant filtered search ads in database and is equipped with a protection system against malicious users.

www.annuncistudenti.net was created in php, readjusting free libraries and changing the CMS code in order to reduce construction costs, within a perspective of trade-off between costs and results.

The “Social project”

“Social project” falls within a university project exercise aimed at testing the most advanced technologies for the development of web systems: ajax, java, jsp, servlets, javascript, html, css, xml, xpath, jdbc, mysql and xsl.

Social project permits the registration of a user and it stores its data in a relational database. It also contains an implementation of a discussion forum, a group chat, commentable post and a dynamic updating client-side page.

The project was carried out entirely by Dr. Scibetta without using external CMS.

Site www.riccardoscibetta.com

The www.riccardoscibetta.com site was created by changing radically the architecture of a famous CMS in order to allow the use of animations and to speed up page loading. From the IT point of view, it was necessary to reconstruct and rewrite some parts of php, javascript, html and css code.

The site aims to accommodate the customer taking advantage of the online support capabilities and provide consultancy and other services.

Development of a portal for the monitoring of the popularity on social networks

The portal was developed in the context of a university thesis in the Master of Science in Computer Engineering at the University of Palermo.

The portal is a social network extensible, able to extract information from Facebook, Instagram and Twitter accounts and able to calculate a popularity index based on the extracted data for each user. Users can also take advantage of the social features of the portal.

Projects carried out in the branch of graphics systems

Renderer for viewing/browsing 3D objects via browser

A renderer is a particular software for the 3D graphical representation of objects. In this project, the user can move within a three dimensional space through your web browser using keyboard and mouse, just like it does for many video games.

The renderer was created using WebGL technology.

Projects carried out in the branch of AI (artificial intelligence)

Most of the following systems have been realized in Lisp and exploit the most modern AI algorithms optimized for the search in the solutions space of a problem.

Sudoku

This intelligent system is able to find, within a tree of solutions, the correct result of the sudoku game. The system receives a game table as input and begins an optimized exploration by cutting unnecessary branches of the solutions tree and returning the correct solution.

Agent which is searching for the exit of a maze

The agent system that located the exit of a maze consists of a software system that receives as

input the diagram of a fairly complex maze and a start point of the maze. The starting point is the agent's initial position. In such a context, the agent is able to calculate autonomously the right path out of the maze and returns the right path to the user.

Shortest path computation in a graph

This system is able to find the shortest path between two nodes in a graph. The minimum path is shortest and it often requires the crossing of other nodes. The system receives as input a graph in terms of Cartesian coordinates and processes the optimum route returning it to the user in terms of the sequence of nodes to cross.

Genetic evolution

The system applies the genetic theory of a population of objects that represent more than one solution to a generic problem. The adopted algorithm is used to find the best solution. It starts from a population of more or less efficient initial solutions and, through mutations, crossovers and other operations, it ends with the creation of an optimal solutions population. The best among these is the solution wanted.

Aggregate supply

The system allows to find, within a large number of companies, the minimum number of which, combined companies, have a minimum production cost to satisfy a certain market demand given a priori. Such systems can be used to optimize business productions with varying market demand.

Puzzle solving

The system consists in solving a puzzle made up of many squares (eg 8 in the case of the Eight-puzzle) initially arranged in a disorderly fashion. The purpose of the system is to rearrange the squares on the basis of a criterion provided by the user, for example the criterion in ascending order.

Other projects in the AI branch

Additional projects have been implemented, for which you need a deeper knowledge in order to understand the usefulness of them. These projects concern the implementation of Bayesian networks, the "game of life", sorting algorithms, etc ...

Projects carried out in the branch of robotics

The following systems have been funded through the ROS simulator.

Teleoperated system

A teleoperated system is a robot governable via user-supplied external commands. It is the base to be able to realize more complex systems in which the user is replaced by a stand-alone software system that is able to take decisions without human intervention.

For the perimeter calculation system

This system is able to calculate the perimeter of a square room strolling through the walls. The system is not teleoperated but acts independently: from the middle of a room it is moving towards a wall and starts independently to pan it. Once it crossed the room, it returns the perimeter as a result.

Robot in a maze with potential fields algorithm

The autonomously moving robot in a labyrinth without knowing the plan represents an interesting challenge from the IT point of view: the robot realized is able to avoid obstacles, making turns at the right time and to extricate itself in tight spaces. The robot stops only when it has reached an end point provided by the user.

Projects implemented in software field

Robot that runs through a maze with fuzzy logic

The autonomously moving robot in a labyrinth exploiting the fuzzy logic is able to take the "soft" decisions, ie to reach compromises that allow him to avoid extreme drastic choices. As in the previous case, also this system does not know the floor plan of the labyrinth and is able to avoid obstacles making turn at the appropriate time and to extricate in tight spaces using "fuzzy" logic. The robot stops only when it has reached an end point provided by the user.

Ricatmail

Ricatmail is an application designed with the aim of "getting comfortable" with the design environment and programming. It dates to the early years of university study by Dr. Scibetta.

Made with java technology, ricatmail sends in a totally automatic way e-mail greeting, or otherwise, from the user's computer to a contacts group. It allows the creation of birthday parties and contacts, and it has a user-friendly interface.

The website is www.ricatmail.it

General-purpose crawlers for the extraction of information from internet and social networks; crawler to extract information from Facebook, Twitter and Instagram

A crawler is a software that can locate and extract information. In the case of general-purpose crawler, it is a software module able to seek information from any source according to user needs. Particular attention was given to social networks Facebook, Instagram and Twitter, for which Dr. Scibetta created ad hoc modules starting from the extension of the crawler previously described.

Projects in the field of advanced architectures of computers

Fpga programming for the extraction of the vascular tree characteristics of the retina

The project consists in programming a card containing a chip FPGA (field programmable gate array). The card receives an input image of a grayscale retina and applies a series of algorithms to extract information characterizing a retina. The work is part of a university project in which Dr. Scibetta Riccardo has worked with a team for the development of the first phase of it, namely the application of the algorithm of region growing to a retinal image in order to extract a new image containing only the retinal vascular tree.

The project is used to uniquely identify an individual and for advanced authentication applications.

Signature

I authorize the use of my personal data pursuant to Legislative Italian Decree of 30th June 2003 n. 196

Riccardo Scibetta

