

Gioele Cicchini

SOFTWARE ENGINEER · SOFTWARE ARCHITECT

Via 1799 Repubblica Vastese 4 , Vasto(CH), Italy

☎ (+39) 3284533133 | ✉ gioele.cicchini@gmail.com | 🌐 GioeleCicchini | 📧 cigio2008

“Software is a great combination between artistry and engineering.”

Education

University of L'Aquila

L'Aquila Italy

BACHELOR'S DEGREE IN COMPUTER INFORMATION

Sep 2013 - Mar 2016

- Good knowledge of math disciplines
- Training activities in the field of information engineering such as circuit theory, electronic systems, signal analysis and signal processing, theory of Systems and automated control, computer architectures and Object Oriented Programming

University of L'Aquila

L'Aquila Italy

MASTER'S DEGREE IN COMPUTER ENGINEERING AND AUTOMATION

Mar 2016 - Present

- Software Engineering, Software Architecture, Software Quality Engineering, Engineering of algorithms, Interactive systems, Geographical databases, Embedded System, Combinatorics and Cryptography

Skills

Programming	Java , Python, C/C++, C#, VHDL, Javascript, PLpgSQL, SQL, HTML, UML, CSS, LaTeX, AEmilia(Architectural)
Framework	GWT(Google Web Toolkit), Hibernate, Unity3d, Bootstrap, Wordpress, Prestashop, Entitas(C#)
Development IDE	JetBrains Package, Eclipse, NetBeans ,Android Studio, Sublime Text,Etc
DMBS	MySQL, Postgres with PostGis plugin
Networking	Managing and Maintaining the Servers, PC's, Routers and Switches. Configuring, Managing and Maintaining Networking Equipments Cisco CCNA Routing and Switching certification Part 1 Installing, configuring and administering network technologies
Embedded System	Micro-controller programming: Arduino, ARM. FPGA programming: VHDL with experience of Xilinx software. Knowledge of basic embedded monitoring principals and usage of most common monitoring systems.
Methodology	Excellent Knowledge in Software Engineering and Design(GOF Pattern), Agile methodology, RUP, SCRUM. User-centered design (UCD). Advanced use of UML with profiling. Queueing theory applied to software performance. In-depth knowledge of the main architectural patterns: MVC, MVP, ER, ECS, Client-server, Layered.
Other	Principles of responsive web design, Principles of space SW Engineering
Operating System	Windows, Linux, MacOSX
Languages	Italian, English

Project experience

Algorithm for risk assessment of landslides applied to Abruzzi railway stations

L'Aquila

UNIVERSITY OF L'AQUILA PROJECT

may - july 2017

- Designing Algorithm an implementing through the use of GIS technologies

Position control of a quadricopter

L'Aquila

UNIVERSITY OF L'AQUILA PROJECT

may - july 2017

- Designing a simulation in Unity3d of a controller
- Implementing the controller on the drone, through image recognition(OpenCV)

Botanic Garden Control System

L'Aquila

UNIVERSITY OF L'AQUILA PROJECT

march - july 2017

- Designing software architecture of a botanical garden through UML and UML-Profile
- Performance analysis through queueing network theory
- Implementation of the designed architecture, with Aemilia

SCUnA : SmartCard @ UnivAq

UNIVERSITY OF L'AQUILA PROJECT

- Designing software architecture to use a card with NFC
- Implementation Android App to read card with NFC technology
- Architecture implementation, in Java

L'Aquila

january - march 2017

Chatting Application with RSA encryption

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- Implementation of the RSA algorithm applied to a chat (Java)

L'Aquila

july 2016

Making a video-game in Java (TankWar)

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- Responsible for the client-server interface of the game
- Responsible for server architecture

L'Aquila

january - july 2016

Designing a UI for the elderly (EasyFB)

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- User centered Design
- Social network for elders

L'Aquila

november - february 2016

E-commerce Website

INDEPENDENT JOB

- Implemented a Small E-commerce website

L'Aquila

march - july 2016

Making a Web Application with GWT (Thesis)

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- Design and implementation of an E-commerce through the use of the GWT framework

L'Aquila

november - march 2016

Implementation, without framework, of a web application (PostIt)

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- Responsible for the client side application

L'Aquila

may - july 2015

Extracurricular Activity

Tutoring activities

UNIVERSITY OF L'AQUILA

- Acquired abilities to explain mathematical concepts

L'Aquila

march, 2017 - PRESENT

Organizational and management skills

Problem Solving, Flexible adaptation to new situations, High speed in learning new technologies, Adoption of iterative development techniques, Team working, Great desire to grow professionally.