



JOSEPH GIOVANELLI

Date of Birth 18 July 1995
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ACADEMIC ACHIEVEMENT

Alma Mater Studiorum - University of Bologna, Italy *November 2020 - currently enrolled*

Ph.D. student in Computer Science and Engineering

The course is designed to train people able to carry out academic and industrial research and to work as managers in companies. The main career opportunities are: university career; research activities for industries or institutions; management in ICT companies.

Alma Mater Studiorum - University of Bologna, Italy *October 2017 - March 2020*

Master's degree in Computer Science and Engineering Overall Percentage: 110/110 cum laude

The course of study was focused on providing a strong background in the Data Science field. Data Mining algorithms, Big Data techniques, Business Intelligence & Data Warehouse design were the main addressed topics.

Alma Mater Studiorum - University of Bologna, Italy *October 2014 - October 2017*

Bachelor's degree in Computer Science and Engineering Overall Percentage: 110/110 cum laude

The course aimed to offer a new educational opportunity: to study Computer Science in a more complete way, examining both the design/engineering and the mathematical/scientific aspects. This is the approach adopted in the rest of the world, but in Italy this course of study is one of the first that integrates the two skills.

IIS Volterra Elia, Ancona, Italy *September 2009 - July 2014*

High School Diploma Overall Percentage: 100/100

This school integrated scientific and technological skills in the field of information systems, information processing, web applications and networks design.

WORK EXPERIENCES

Data Reply, Milan, Italy *May 2020 - October 2020*

Big Data Engineer

I worked on designing and implementing Big Data architectures, preparing data through pre-processing techniques, processing them via Machine Learning algorithms and post-processing the results in order to make them both available and clear to the customers.

Universitat Politècnica de Catalunya, Barcelona, Spain *September 2019 - March 2020*

Research Student

I worked on an extending/enhancing of the AutoML tools by including a meta-learning phase with the aim of favoring/proposing better Pre-processing pipelines.

Alma Mater Studiorum - University of Bologna, Italy *February 2019 - September 2019*

Didactic Tutor CDL and CDLM Electronic Engineering for Energy and Information

I was the reference point for students and teachers, I collaborated with the course coordinator to im-

prove it and offer administrative and organizational support to activities and events within the faculty.

Sixtema Spa (Tinexta Group), Ancona, Italy

January 2013 - June 2013

Full-stack Developer

School internship where I had the opportunity to grow in teamwork. I mainly developed web sites, both back-end and front-end sides.

X Place Company, Osimo, Italy

June 2012 - August 2011

Web developer

Internship where I could better understand the reality of work. I maintained, modified, corrected bugs and errors in different web sites and helped in the web sites modeling phase.

AWARDS

Certificate of merit

June 2017

Alma Mater Studiorum - University of Bologna

Congratulations letter from the university's rector for being in the top 50 students in the Engineering and Computer Science school.

RELEVANT PROJECTS

AutoML: a new methodology to automate data Pre-processing pipelines

In this work, we propose an extending/enhancing of the AutoML tools by including a meta-learning phase with the aim of favoring/proposing better Pre-processing pipelines.

Augmented Reality Mesh Modeling

Development of an augmented reality application for mesh modeling by hand tracking with the LEAP device.

SKILLS

Data Science

Data Analysis & Visualization techniques, Data Pre-processing techniques, Data Mining algorithms, Data Post-processing techniques, Business Intelligence & Data Warehouse design, Combinatorics & Statistics, Numerical Analysis.

Software Engineering

Object-Oriented Programming (OOP), Functional Programming, Logical Programming, Distributed & Concurrent Programming, Embedded System Design, Augmented Reality (AR), Video Games Design, Mobile Programmig, IoT & WoT Programming, Web Applications and Services Programming.

Programming Languages

Java, C, C++, C#, Scala, Prolog, Python, R, MATHLAB, Pascal, PHP, JavaScript, TypeScript, HTML, CSS, Bash, Latex, SQL, NoSQL, PL/SQL.

Frameworks

Weka, Auto-Weka, Scikit-learn, Auto-sklearn, H2O, Spark, Hadoop, HDFS, Cloudera, Cassandra, Kafka, Lagoom, AngularJS, NodeJS, Postgres, MySQL, OracleDB.

Soft Skills

Team Working, Agile Team Working, Reliability, Planning & Organization, Communication, Problem Solving, Eagerness to learn.

LANGUAGES

Italian	Native
English	Professional
Spanish	Basic

VOLUNTEERING

Kids Ark International, San Pedro Sula, Honduras

March 2019

Team Leader

In this experience I had the opportunity to see different realities from everyday life and to help the neediest people. Living in such a different context has helped to strengthen my ability to adapt.

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REFEREES

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