SimoneGiusso

Junior Sotware Engineer

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Date of birthday: 14/01/1994

Nationality: Italian

I work as software engineer in an IT consulting company in Data Warehouse area for less than a year. Currently I take care of development of ETL flows and I contribute for the definition of data model.

Experience

11/19 - Today **Software Engineer**
ICTeam S.p.A.

I work on data warehouse projects in a development team. Competence activities:

- development and monitoring of ETL flows on large amounts of data.
- contribute in **analysis** phases for the realization of data model.
- continuous **interaction and collaboration** with customers.
- writing technical documents.

Tools and programming languages used: Amazon Redshift, SQL, DBeaver, Talend Studio, S3 Browser, Java, G Suite.

Education

10/19 - 11/19 **Data Science specialization course**
Experis Academy (in partnership with Porini)

Full-time course of 240 hours which includes lectures, exercises and group projects. This course provided me with intensive preparation on data analysis, machine learning and deep learning. **Tools and technologies used**: SQL, R, Python, PySpark, Keras, SQL Server, ML Studio, Databricks, RevoscalerR e PowerBI.

09/17 - 09/19 **Master's degree in computer engineering (110/110 with honors)**
Università degli Studi di Bergamo

Thesis title: "Experimental development of a model-based fault diagnosis scheme for flight electromechanical actuators".

09/14 - 07/17 **Bachelor's degree in computer engineering (95/110)**
Università Degli Studi di Bergamo

Thesis title: "Development of a videogame for smarthphone for the amblyopia treatment".

09/08 - 07/14 **Surveyor's Diploma (72/100)**
Istituto di Istruzione Superiore "D.M. Turoldo"

Main Skills

(Base, Intermediate, Senior, Guru)

C++	■□□□
Python	■□□□
Java	■□□□
SQL	■■□□
Redshift	■■□□
Talend	■■□□

OS knowledge

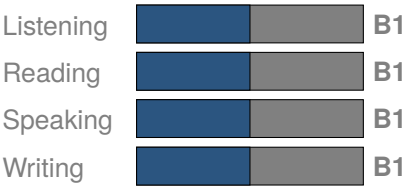
Windows	★★★★☆
GNU/Linux	★★☆☆☆
MacOS	★☆☆☆☆

Languages

Italian

Mother toungue

English



Personal skills

Communication skills

Communication skills acquired in the university environment, during laboratory activities and with the development of educational projects in team and in work place where I had the possibility to actively partecipate in team of 4/5 people, where the willingness to **listen** and to **compare** allowed us to obtain the predetermined results.

Organizational skills

In the university environment I had the opportunity to develop team work management skills through an effective division of tasks based on individual skills and needs. I also develop **problem solving** skills thanks to educational activities such as:

- implementation of algorithms for the recognition of landmarks.
- development of an object detection application able to recognize specific hand gesture inside a picture.
- development of obstacle avoidance and follow line algorithm on a mobile robot equipped with Arduino board.

In work place **work organization** allowed me to carry out multiple tasks simultaneously.

Technical skills

I acquired technical skills during the university studies, personal studies and in my work experience:

- I have a base knowlodge of the follow **programming languages**: C/C++, Matlab and Python with which I mainly developed educational projects. I also occasionally use Scala, C#, HTML and CSS. I know the Java programming languages better with which I contributed to Asmeta opensource software, a framework for formal ASM methods. Currently I use Java to write small script for add specific features on the ETL flows. I have an intermediate knowlodge of SQL (PostegreSQL 8.0.2 on Redshift).
- During my studies I was able to use often the **Tools** Eclipse and MATLAB, the last one mainly used for the development of thesis. I use DBeaver as administration tools of database. I also have a intermediate knowlodge of Talend as Tools for the development of ETL flows.
- I used for some educational projects or for personally studies the following **libraries**: OpenCV, Keras and Scikit Learn.
- I have also a base knowlodge of LaTeX and a good knowlodge of the following **productivity tools and software**: Microsoft Office and G Suite.

Projects

REPRISE

My master thesis was development under the REPRISE name, a project financed by the European Commission in collaboration with various companies. During this period I had the opportunity to collaborate with researchers and professors with the aim of developing an algorithm capable to detecting faults caused by the degradation of mechanical components in an actuator prototype capable of controlling the primary flight surfaces of small aircrafts.