

SIMONE RIGONI

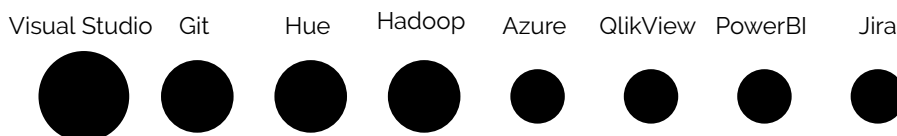
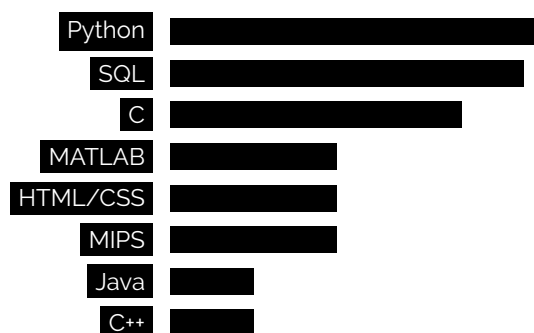
Data Engineer



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WHO AM I?

I graduated in 2017 from University of Pavia in the Master's Degree in Computer Engineering - Embedded and Control Systems. During my Erasmus Traineeship in Dublin I worked as Software Developer at [Firmwave](#), a young company specialized in the design of low-power hardware for IoT. I took part in the design and implementation of new features in both the bootloader and the application using C. I got passionate about Python and how to use data to solve problems so I decided to completely change my working field approaching Data Science. I currently work as Data Engineer in the Data Platforms division of [Fastweb](#). On my website simonerigoni.net and on [Medium](#) I write posts about Software Development, Data Engineering and Machine Learning



EXPERIENCE

- 09/2020 – Currently **Data Engineer** Fastweb
Fastweb provides landline, broadband Internet, FTTH and IPTV services. As Data Engineer my main job is to design and implement solutions on the company Business Intelligence, Enterprise Data Warehouse, Enterprise Data Hub, Big Data Lake and Master Data Management applications to fulfill the requests from the other Business Units
- 10/2017 – 08/2020 **Technical Consultant** Aptos
Aptos provides tools to retail enterprises to deliver omni-channel shopping experiences to customers. As Technical Consultant my main job was to develop T-SQL functionalities on Microsoft SQL Server (Database Engine and Analysis Services) using Management Studio, Profiler, Visual Studio and Team Foundation Server to import, process and export data to fulfill the steps of retail process such as Merchandise and Financial Planning, Assortment Plan, Forecast and Store Replenishment
- 06/2017 – 12/2017 **Waiter** Corrado Calza Food & Co.
While studying I worked as waiter for fashion events like catering for boutiques and fashion shows
- 03/2016 – 06/2016 **Software Developer** Firmwave
During my Erasmus Traineeship with Firmwave I took part in the design and implementation of Over-the-Air programming (OTA) on a device based on STM32F4 MCU (equipped with ARM Cortex M4), implementing new features both in the bootloader and in the application. The code was written in C, with an open source toolchain based on GCC ARM + Eclipse + OpenOCD. I also took part in the development of Python based scripts for automated testing purposes

EDUCATION

- 10/2014 – 10/2017 **Master's Degree in Computer Engineering - Embedded and Control Systems** University of Pavia
The degree program includes courses in electrical engineering, electrical drives and automation, advanced control systems, industrial automation, process control, robotics, embedded systems. The lessons, held in English, are complemented by laboratories activities, seminars and tutorials 100/110
Thesis: Design and implementation of a Bluetooth based indoor localization system for the sport domain
- 09/2011 – 12/2014 **Bachelor's Degree in Computer Engineering** University of Pavia
The degree course covers various fields such as mathematics, physics, information technology, automation, electromagnetism, electronics and telecommunications 95/110
Thesis: Stable stationary flight of a quadcopter
- 09/2007 – 07/2011 **Diploma ITIS - Informatics and Telecommunications** ITIS Enrico Fermi of Mantova
The course provides basic knowledge in computer science and electronics, in order to develop the skills necessary to analyze, size, manage and design small systems for process data 73/110
Thesis: On line management of an electronics store

OTHER ACTIVITIES

- 01/2019 – 10/2019 **Data Scientist Nanodegree** Udacity
The Data Scientist Nanodegree program is an advanced course designed to prepare the student for data scientist jobs. The topics covered were Supervised Learning, Deep Learning, Unsupervised Learning, Data storytelling, Software development and Recommendation Engines. All the theoretical lessons were followed by quiz and projects that can be found on [Github](#)

Capstone Project: [User churn prediction using Spark](#)
- 06/2019 – Currently **Content Writer** Medium
I started writing for Medium through the Data Scientist Nanodegree and got passionate about it. I usually publish my stories on Towards Data Science and Analytics Vidhya which are some of the biggest platforms for data science topics. All my stories can be found on [Medium](#) and on my website [simonerigoni.net](#) is possible to interact with some of the projects I have written about. One of the latest project I made: ["Do you want to move to Milan? Neighborhoods Sentiment Analysis using Airbnb data"](#)
- 09/2015 – 07/2017 **Conference organizer and Tutor** Plinio Fraccaro College
I was coordinating the organization of conferences and others cultural events. Beside the planning activity I helped promoting the events through local newspapers and social media. I have also participated in the tutoring activities of my fellow students of the college about Computer Science and C programming
- 09/2018 – 09/2018 **Publication: A Comparison of RSSI Filtering Techniques for Range-based Localization** IEEE
Received Signal Strength Indication (RSSI) is commonly used to provide distance estimates in range-based localization. Usually the localization systems use RSS at short range and RSS alongside other techniques such as Time of Flight (ToF) where the distance estimates are less reliable. For more information [IEEE Explore](#)

LANGUAGES

Italian - Native
English - Proficient
Spanish - Rudimentary

HOBBIES

I like to travel and visit new places.
I am passionate about powerlifting, cinema, motor races, comics and chess

NON PROFIT

AVIS (Italian Volunteer Blood Donation Association) Pavia member since 2016. Runner for AISM (Italian Multiple Sclerosis Association)