

# SIMONE RIGONI

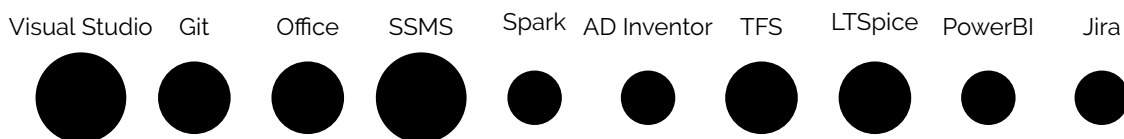
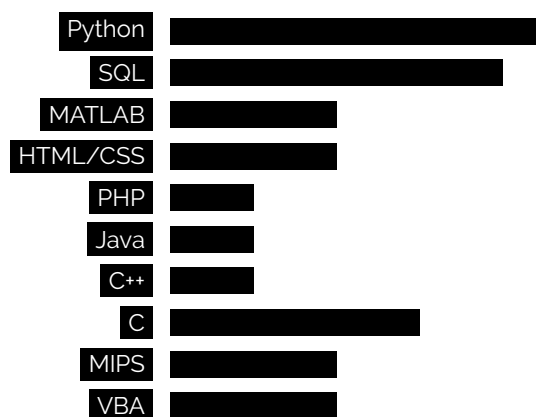
Technical Consultant



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## WHO AM I?

I graduated in Computer Engineering - Embedded and Control Systems at the University of Pavia in 2017. 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 got passionate about Business Intelligence, Machine Learning and Data Science so I decided to completely change my working field. I started working in 2017 as Technical Consultant at Aptos which operates a singular commerce platform that enables retail enterprises to deliver omni-channel shopping experiences to customers. In 2019 I graduated from the Udacity Data Scientist Nanodegree Program. This course allowed me to deepen my theoretical and practical knowledge of Supervise, Unsupervised and Deep Learning



## EXPERIENCE

- |                     |  |                          |
|---------------------|--|--------------------------|
| 10/2017 – Currently | <b>Technical Consultant</b><br>I 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. Performances are a key aspect of the work because of the high volume of data used by these business process. I have been involved also in the recruiting phase for the technical interviews and in the tutoring of new hires | Aptos                    |
| 06/2017 – 12/2017   | <b>Waiter</b><br>While studying I worked as waiter for fashion events like catering for boutiques and fashion shows  | Corrado Calza Food & Co. |
| 09/2015 – 07/2017   | <b>Tutor</b><br>Tutoring regarding Computer Science and C programming for my fellow students of the college  | Plinio Fraccaro College  |
| 03/2016 – 06/2016   | <b>Software Developer</b><br>During my Erasmus Traineeship with Firmwave I took part in the design and implementation of Over the Air in Application Programming on a device based on STM32F4 MCU (equipped with ARM Cortex M4), implementing new features both in the bootloader and in the application, so that it could download updates from re-mote servers and reprogram. 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  | Firmwave                 |

## EDUCATION

- 10/2014 – 10/2017 **Master's Degree (LM-32) 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 (L-8) 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 of Technical Institute Technological Sector - Informatics and Telecommunications** Higher Education Institution 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 find on [Github](#)  
  
Capstone Project: [User churn prediction using Spark](#)
- 06/2019 – Currently **Content Writer** Medium - Towards Data Science  
I started writing for Medium through the Data Scientist Nanodegree and got passionate about it. I usually publish my stories on Towards Data Science which is one of the biggest platform on Medium for data science. All my stories can be find on [Medium](#). Last project I made: ["Do you want to move to Milan? Neighborhoods Sentiment Analysis using Airbnb data"](#) was about using Airbnb data to evaluate the sentiment of Milan neighborhoods
- 09/2016 – 07/2017 **Conference organizer** 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 was also one of the main promoters of multidisciplinary conference "Artificial Intelligence techniques, applications and problems" which was designed to introduce and look at artificial intelligence from the point of view of various disciplines such as engineering, philosophy, law and computational linguistics
- 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 cities of art.  
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)