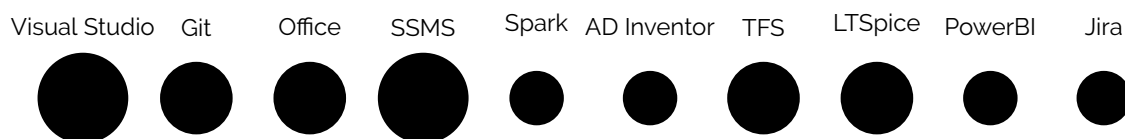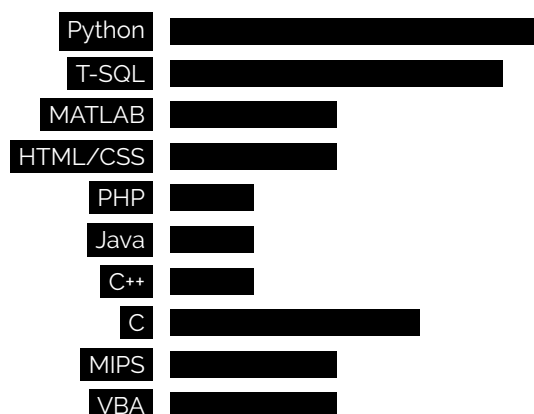# SIMONE RIGONI

Technical Consultant

📍 Pavia, Lombardy, Italy

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medium.com/@simone.rigoni01

github.com/simonerigoni

linkedin.com/in/simone-rigoni-852b40101

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 intern 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

Python
T-SQL
MATLAB
HTML/CSS
PHP
Java
C++
C
MIPS
VBA

Visual Studio · Git · Office · SSMS · Spark · AD Inventor · TFS · LTSpice · PowerBI · Jira

EXPERIENCE

10/2017 – Currently	**Technical Consultant**	**Aptos**

Mainly I develop T-SQL functionalities using Microsoft SQL Server, Microsoft SQL Server Analysis Services , Microsoft SQL Server Management Studio, Microsoft SQL Profiler, Microsoft Visual Studio and Team Foundation Server

06/2017 – 12/2017	**Waiter**	**Corrado Calza Food & Co., Milan**

Waiter for fashion related events

09/2015 – 07/2017	**Tutor**	**Plinio Fraccaro College**

Information Technology bases, SQL, Pytohn and C programming tutor for the students of Engineering and Mathematics

03/2016 – 06/2016	**Software Developer**	**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

06/2009 – 09/2009	**Intern**	**Aglietta Mario - IT and office**

I worked with IT technicians to provide customer and technical support

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, in-dustrial automation, process control, robotics, embedded systems and in real time.The lessons, held in English, are com-plemented by work laboratories, seminars and tutorials, held by industry leaders and professors from all over the world
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 is aimed at imparting lessons in various fields such as mathematics, physics, information technology, auto-mation, 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 processing, transmission, acquisition of the required information in symbolic form and in the form of signals electric
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 program designed to prepare the student for data scientist jobs. The topics coverd are Supervised Learning, Deep Learning, Unsupervised Learning, Data storytelling, Software development and Recommendation Engines. All the theoretical concepts explained during the lessons are then tested with 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

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. In most cases, the localization systems use RSS at short range where the distance estimates are more reliable or use RSS alongside other techniques such as Time of Flight (ToF). More information can be find on 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 Do-nation Association) Pavia member since 2016. Runner for AISM (Italian Multiple Sclerosis Association)