

MARCO SPANÒ

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Current Location: Modena, Italy - Citizenship: IT/NL

EDUCATION

University of Modena and Reggio Emilia

Modena, Italy

Master's Degree in Computer sciences

Aug 2018 – Dec 2020

- Final Grade: 110/110 : Real-Time Embedded Systems (30L), Privacy and data protection (30L), Secure software development (30), Software development methodologies (28), Mathematical fundamentals of Machine Learning (27).
- Main project: "[Real-Time Embedded Systems tracking car](#)"
- Thesis: "Multi-OS telemetry control unit of formula racing cars - Analysis and improvement of performance and efficiency".

Radboud University

Nijmegen, Netherlands

Erasmus - Exchange student in Computer sciences

Aug 2019 - Jan 2020

- Cumulative GPA: 29.3/30 (8.3/10) : Data Mining (9/10), Bayesian Networks (8/10), Software Development Entrepreneurship (8/10), Testing Techniques (8/10).

University of Trento

Trento, Italy

Bachelor's Degree in Computer Sciences

Aug 2015 – July 2018

- Final Grade: 95/110 : Programming Languages (28), Advanced algorithms (29), Formal languages and compilers (30).
- Thesis: "MoKi 4.0, refactoring of a collaborative tool for ontologies editing"

WORK & LEADERSHIP EXPERIENCE

UniMORE - Minerva Systems SRL

Modena, Italy

Embedded Software Engineer

Jan 2023 – Present

Main tasks: projects on different embedded platforms, mainly developing at a low-level in C on various soft and hard real-time OS.

Hipert SRL / Minerva Systems SRL - Full-time resident consultant in Scuderia Ferrari Formula 1

Maranello, Italy

Embedded Software Engineer

Mar 2020 – Dec 2022

Main tasks: analysis, maintenance, performance improvement and evolution of the telemetry control unit of the car, used during pre-season testing and free practices on race weekends. Its main goal is to acquire data from sensors, cameras and other installed boards, store it and send it to the pit box.

Main tools: C/C++ programming, Real-Time OS, Linux, Multi-OS cooperation, embedded systems, telemetry.

FBK | FONDAZIONE BRUNO KESSLER

Trento, Italy

Software Engineer

Feb 2018 – Jul 2018

Main tasks: analysis and development of the new version of MoKi, a collaborative tool for creation, editing and visualization of ontologies. MoKi is a web platform divided in two macro-components: a Java server, that implements the logic, and AngularJS pages, needed to visualize information and acquire inputs. As it is a huge and complex project, my focus was mainly on the back-end architecture, front-end and security.

Main tools: Java and Java servlets, AngularJS, GraphDB and SPARQL, MySQL.

SKILLS, ACTIVITIES & INTERESTS

- Languages:** Italian (native speaker), English (fluent: IELTS certificate in 2018 - band score 7.0: level C1).
- Programming:** C/C++, Java, Javascript, Python (for Machine Learning), MySQL, Flutter, Dart, AngularJS.
- Sports & Achievements:** canoe/kayak sprint at a competitive level, my best achievements were in 2013: canoe sprint italian championship in Sabaudia (LT) - 3rd on K2 5000 m, canoe sprint italian championship in Milan - 3rd on K4 1000 m.
- Other:** Participation at Google Hashcode competition in 2017, 2018, 2019, 2021 - Participation at PyconX (Python Conference) in Florence, 2019 - Referee at the national Robocup competition in Trento, 2018.