

Giulio Perda

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Education

- **60 ECTS(CFU) of MSc Systems&Control, spec. Robotics and Mechatronics** 2019– 2020
University of Twente, Enschede, The Netherlands.
Courses completed: Systems Engineering, Control System Design for Mechatronic Systems, Modelling and Simulation, Robust Control, Nonlinear Control, Real-Time Software Development, Engineering system dynamics.
- **BSc Computer Engineering** 2016– 2019
Politecnico di Torino, Turin, Italy.
- **Diploma Computer Science and Telecommunications** 2010– 2016
ITIS "M. Delpozzo", Cuneo, Italy.

Employment

- **Validation&Test engineer** **Savigliano, Italy**
EMA Global Engineering November 2021– June 2022
Consultant for rolling stock (railway) manufacturer Alstom. Development of hydrogen-powered train simulator for real-time HIL simulation. Modelling, integration and validation of train subsystems (traction, brakes, fuel cells, doors...). Validation of train electrical schematics. Test and validation of Train Control & Management System (TCMS) software using the simulator and on board train vehicles. Writing of technical documentation and test reports. Constant multi-domain communication with Control Engineers, Systems Engineers and Software Developers.
- **Test analyst trainee** **remote**
ALTEN Italia March 2021– June 2021
Consultant for Findomestic bank. Testing of a mobile banking app. Test basis review and user stories refinement, test cases design from user stories and requirements, implementation and execution of system level tests, User Acceptance Tests and Regression Tests, defect reporting and defect management. Frequent communication with Product Owners, Quality Assurance engineers, Requirements engineers, developers and other testers in Agile environment.
- **Network administrator intern** **Cuneo, Italy**
Coldiretti July 2015– August 2015
Setup and troubleshooting over a mid-sized network, configuring servers and clients, maintaining and updating databases on IBM AS400.

Volunteering

- **Biodiversity volunteer** **Province of Grosseto, Italy**
LIFE ESC 360 *September 2021– October 2021*
This project was financed by the EU. Based in the "Marsiliana" Natural Reserve I monitored fauna (birds, mammals, amphibians and insects), flora and habitats in natural reserves, together with Carabinieri Biodiversità.
- **High school tutor** **Cuneo, Italy**
ITIS "M. Delpozzo" *September 2014– June 2015*
I helped students lagging behind in different subjects.
- **Digital literacy assistant** **Cuneo, Italy**
AUSER *September 2013– June 2014*
I assisted the elderly towards digital and computer proficiency.

Skills and certificates

Technical skills.....

- **Programming languages:** C, MATLAB, Structured Text.
- **Databases:** MySQL, IBM AS400.
- **Software:** MATLAB, Simulink, ControlBuild, U-Test, SIMULATIO, Jira, MS Office.
- **Systems engineering:** Agile methodologies, system life cycle, testing process, requirements engineering, system integration, MBSE, HIL/SIL development.
- **Control systems theory:** modelling of physical systems, design and tuning of PID controllers, nonlinear control, robust control.

Certificates.....

- **ISTQB Certified Tester Foundation Level** **May 2021**
ITA-STQB CTFL (syllabus 2018) *no expiration date*
ID: CTIT-21-16371

Languages.....

- **Italian:** Native speaker
- **English:** Full Professional Proficiency
- **Dutch:** Limited Working Proficiency
- **French:** Limited Working Proficiency

Additional information

- European B driving licence owner
- Willing to travel on business
- Willing to relocate