Riccardo **Periotto**

Computer Scientist | Autonomous Systems Engineer

— About me —

Driven by my passion for learning and technology, I approached the ICT world during high school and delved into the subject until I graduated in Computer Science. Between my bachelor's and master's degrees, I worked in the field for a year to better understand which specialization was the most suitable for me. I have now completed my master's degree in Autonomous Systems, and I know that my primary goal is to develop software solutions for robots, as this will allow me to use the wide range of knowledge I've acquired throughout my education. Robotics, control, and deep learning are the subjects I prefer, and I am eager to apply them to my next challenge!

— Personal information —

- 🧍 Born on 15/09/1998
- ✉ riccardo.periotto@gmail.com
- 🏠 38080 Carisolo (TN), Italy
- 🔗 riccardoperiotto
- 🔗 riccardoperiotto

— Languages —

- 🇮🇹 Italian - Native Language
- 🇬🇧 English - Professional Knowledge
- 🇩🇪 German - Basic Knowledge

— Programming languages —

C# | C++ | C | Python | Javascript | Maple
MATLAB | R | Java

— Hard skills —

Control | Software Engineering | Robotics
Mechatronics | AI | ML | Deep Learning
Algorithms | Data Structures | Sensor Fusion
Applied Estimation | Dynamic Modeling
Full Stack Development | OOP | SCRUM

🎓 EDUCATION

sep 2021- nov 2023	**MSc Autonomous Systems** 📍 Europe EIT Digital European double degree program focusing on new technologies, entrepreneurship, and business. First year: Royal Institute of Technology (KTH) Summer school: Technical University of Munich (TUM) Second year: University of Trento (UniTN)
sep 2017- jul 2020	**BSc Computer Science** 📍 Trento, Italia University of Trento Main subjects: Algorithms, Software Engineering Grade: 110/110 with honours
sep 2014- jul 2017	**HS Computer Science** 📍 Rovereto, Italia ITT Marconi Rovereto Main subjects: Programming, Network Systems Grade: 100/100 with honours

💼 WORK EXPERIENCE (in the field of study)

dec 2023- ongoing	**Software Engineer for Robotics** 📍 Munich, Germany Agile Robots AG Recently joined the backend team to work on AgileCore, the company software platform facilitating the development and deployment of automation solutions.
jan 2023- jul 2023	**Research Intern** 📍 Stockholm, Sweden Ericsson Degree project in ROS 2 focusing on control algorithms for teleoperation with obstacle avoidance and network delays. Project title: Safety-Critical Teleoperation with Time-Varying Delays. MPC-CBF-based approaches for obstacle avoidance.
jan 2021- sep 2021	**Software Engineer** 📍 Borgo Chiese, Italy BM Group Polytec S.p.A. Development of cloud solutions for industrial plants. Video to the main project I worked on link.
oct 2019- feb 2020	**Computer Science Intern** 📍 Trento, Italy SpazioDati S.r.l. Development of the bachelor's degree thesis project. Javascript application focusing on the company APIs and large datasets.

🖥 (MAIN) "TOOLS"

- **ROS 2**: advanced
- **Linux & git**: advanced
- **SQL & Databases**: advanced
- **.NET**: advanced
- **PyTorch**: intermediate
- **Unity**: intermediate
- **Node.js**/React.js: intermediate

I live in a tourist area and have always done **seasonal jobs**. Sometimes, I am far too meticulous, and indeed my scout totem is *Precise Hedgehog*. I love sports, climbing and snowboarding in particular, even if my only addiction is **running**; I don't do it competitively, but I can't go more than 4 days without it!

Updated version of this document available at: CV_RiccardoPeriotto.
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