

Nicola Marchiotto

✉ nicola.marchiotto110198@gmail.com
in [/nicola-marchiotto](#)
🌐 [/nicolamarchiotto](#)
🏠 Oppeano, Verona, IT
🎂 11/01/1998



Profile

I am Nicola Marchiotto, a Robotic and Software Engineer. Computer Science is what I am good at and it is part of my daily routine. Electronics and Mechanics are my weak points, but on which I am planning to get better in my free time. I am an amateur soccer player and an occasional reader who takes an eternity to finish a book.

Experiences

Exor International

Verona, IT

▸ **Software Engineer**

2023 – Present

Software development for the automation industry, development of machines for internal quality assurance

ML Vision Based QA **Docker** **CoDeSys** **OPC UA** **JMobile** **C++** **Qt**

Altair Robotics Lab

Verona, IT

▸ **Research Fellow**

2022 – 2023

Refinement of a prototype for robot assisted vertebroplasty. Implementation of the software for performing robot registration, planning the surgery and controlling the hardware

▸ **Student Intern**

2022

Medical Image Analysis **Robot-Image Registration** **Robot Control** **Trajectory Planning**

EDALAB s.r.l.

Verona, IT

▸ **Software Developer**

2021 – 2022

Development of Web and Mobile applications in the IoT and HealthCare environments using the React and React Native Frameworks.

Use of Bluetooth and BluetoothLE communication protocols for Android app development

React **React Native** **JavaScript** **TypeScript** **Android BLE**

Skills

Strengths

- Robot Controlling, Machine Learning, System Integrator, Control Design, Mobile Robotics, Computer Vision, Robot Motion Planning, Physical Human Robot Interaction, Software Developer

Programming languages

- Matlab, Python, C++, C, Java, MySql
- TypeScript, JavaScript, ReactJs, React Native

Languages

- Italian - Mother tongue
- English - B2

Education

University of Verona

Verona, IT

- **Master's Degree in Computer Engineering for Robotics & Smart Industry** **110L/110** 2020 – 2023
Thesis: Development of Software for Planning a Mini-Invasive Robot Assisted Vertebroplasty
- **Bachelor's Degree in Computer Science** **109/110** 2017 – 2020
Thesis: A Smart Glasses Application for the Prevention of Freezings in Patients Affected by Parkinson

Liceo Scientifico G. Galilei Verona

Verona, IT

- **High School - Curriculum: Scienze Applicate** 2012 – 2017

Projects

A virtual coaching platform to support therapy compliance in obesity

Turin, IT
2022

In 2022 IEEE 45-th COMPSAC

- Project in which I developed a React Native app for collecting medical data of patients affected by obesity. *Bissoli L., Bonacina D., Dalla Riva N., Demrozi F., Jereghi M., Marchiotto N., Perbellini G., Pernice B., Pizzocaro E., Pravadelli G., Recchia G., Sacerdoti A., Turetta C.*

CERlecon

CENTRAL EUROPE Regional Innovation Ecosystems Network

2019

- European project I applied in 2019. The program focused on "Improving entrepreneurial skills and competences to advance economic and social innovation in the regions of Central Europe". Experience which gave me the opportunity to go to Czech Republic and discuss entrepreneurial possibilities in different states with my colleagues from other European countries