Nicola Marchiotto

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👤 Profile

I am Nicola Marchiotto, I've just graduated in the Master's Degree in Computer Engineering for Robotics & Smart Industry at the University of Verona. During my academic years, I've always liked to experience various types of works which helped me better understand my strengths and skills.

🌓 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`

Makeroni   Verona, IT

▷ ***Waiter during weekends***   2016 – 2020

⚙ 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
In 2022 IEEE 45-th COMPSAC
2022

▷ 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.*

CERIecon
CENTRAL EUROPE Regional Innovation Ecosystems Network
2019

▷ Project submitted to Central Europe in 2015 regarding the program "Improving entrepreneurial skills and competences to advance economic and social innovation in the regions of Central Europe". Experience which gave me the opportunity to compare myself with my peers from other European countries and discuss the entrepreneurial possibilities in different states