



Francesco Guarnaccia

Updated October 20, 2025

Email: guarnaccia.francesco15@gmail.com
Phone: (+39) 3440454068

Citizenship: Italy
LinkedIn: Francesco Guarnaccia

Main Interests

Neuroimaging, Neuroscience, Life Science, Healthcare, Machine Learning, Deep Learning, Network Science, Data analysis.

Education

University of Padua Padua, Italy
Bachelor Degree in Biomedical engineering 2015 – 2019

University of Padua Padua, Italy
Master Degree in ICT for Internet and Multimedia, 2019 – 2022
"Life and Health" - Medical ICT curriculum

Research experience

Research Internship Milan, Italy
07/2021 – 12/2021
Brain aging structural connectivity @ Neuroimaging Research Unit, Division of Neuroscience San Raffaele Scientific Institute, Vita-Salute San Raffaele University.

Reference: Professor Federica Agosta (agosta.federica@hsr.it)

Research Training Padua, Italy
01/2022 – 07/2022
Qualitative assessment of functional connectivity alteration in glioma patients through diffusion kurtosis imaging and graph metrics @ Department of Information Engineering, University of Padua.

Reference: Professor Alessandra Bertoldo (alessandra.bertoldo@unipd.it)

PhD Student

Verona, Italy

10/2024 – Current

”Development of methods for multimodal quantitative magnetic resonance imaging for the investigation of pathological alterations in lesional and normal appearing tissue in patients affected by multiple sclerosis” @ Department of Neuroscience, Biomedicine and Movements, University of Verona.

References: Professor Francesca Benedetta Pizzini (francescabenedetta.pizzini@univr.it) , Professor Massimiliano Calabrese (massimiliano.calabrese@univr.it) , PostDoc Agnese Tamanti (agnese.tamanti@univr.it)

Consultant

Turin, Italy

Job Experience

08/2022 – 02/2023

Consultant @ BlueReply, Digital Performance Monitoring business unit.
Observability data engineer.

Consultant

Milan, Italy

03/2023 – 04/2024

Consultant @ LaifeReply, Digital Healthcare business unit.
Clinical data analyst and scientist.

Programming**Skills**

Proficient in: MATLAB, Python.
Familiar with: Bash, R.

Tools

Computational: Visual Studio, Google Colab, MATLAB, Jupyter Notebooks.
Neuroimaging Processing: FSL, FreeSurfer, SPM, SPSS, MRtrix3.

Languages

Italian (native language)
English productive skills (B2)
English writing (B2)

Soft Skills

Proficient in: Project Management, Team work.