



Francesco Guarnaccia

Updated October 20, 2025

Email: guarnaccia.francesco15@gmail.com

Citizenship: Italy

Phone: (+39) 3440454068

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,
"Life and Health" - Medical ICT curriculum

2019 – 2022

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)

Job Experience

Consultant

Turin, Italy

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.

Skills

Programming

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.