

Riccardo Maramotti

Birthday: 28 Feb 1998

Place of birth: Montecchio Emilia (RE) - Italy

Mail: riccardo.maramotti1@gmail.com

rmaramotti@unimore.it

EDUCATION

- **Master's Degree in Mathematics** University of Modena and Reggio Emilia
Grade: 110/110 with honors 2019 - 2021
Thesis: Machine Learning techniques to analyze and model energy and gas consumption
- **Degree in Mathematics** University of Modena and Reggio Emilia
Grade: 110/110 with honors 2016 - 2019
Thesis: Image classification using Principal Component Analysis

QUALIFICATIONS

- High school teacher of Mathematics
- Magnetic Resonance operator
- Teaching assistant of Physiology

EXPERIENCES

- **PhD in Mathematics** Ferrara
UNIFE - Department of Mathematics and Informatics Nov 2022 - Ott 2025
 - **Research project:** Machine-learning techniques combined with analysis of effective connectivity (Dynamic Causal Modeling, DCM) on functional magnetic resonance data of brain activity to uncover specific neurophenotypes of dementia associated with anosognosia and delusions
 - **Academic fields:** Numerical Analysis, Physiology
- **Research Fellowship** Modena
UNIMORE - Department of Biomedical, Metabolic and Neural Sciences Nov 2021 - Ott 2022
 - **Research project:** Predictive models of pathology and computational approaches
 - **Academic field:** Numerical Analysis

POSTERS AND PUBLICATIONS

- **Poster:** Ballotta D., Maramotti R., Borelli E., Lui F., Pagnoni G., *Neural correlates of emotional valence for innated and culturally-acquired stimuli*. Presented at OBHM 2022.