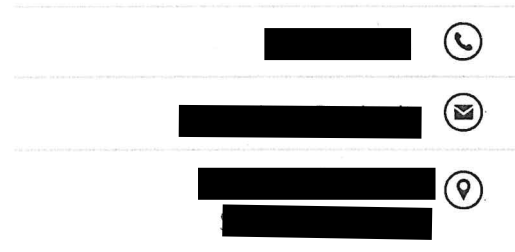


MATTIA CANNISTRA'



Master's degree in Biomedical Engineering. 2nd year PhD student in biomarkers of chronic and complex diseases with focus on AI applications on medical image analysis.

EDUCATION

University "Magna Graecia" of Catanzaro - April 2020
Bachelor's Degree in Informatics and Biomedical Engineering

University "Magna Graecia" of Catanzaro - July 2020
Fit Course 24 credits

University "Magna Graecia" of Catanzaro - October 2021
Master's Degree in Biomedical Engineering

University "Magna Graecia" of Catanzaro - from January 2022 to present
PhD Course in Biomarker of chronic and complex diseases

Harvard Medical School - from March 2023 to present
Visiting PhD student

WORK EXPERIENCE

Experiences in companies during the Master's degree and PhD courses

- Experience at T.E.A. sas company as trainee (Teasas CZ Company) during master's degree course developing a multisensory device for blind people with embedded microcontroller system
- 6 months spent in company (e-way solutions srl) during PhD course (June to December 2022)

PUBLICATIONS

VIZZA, Patrizia, et al. DeLaBE: A Deep Learning architecture for Bio-images enhancing. In: 2022 IEEE 10th International Conference on Healthcare Informatics (ICHI). IEEE, 2022. p. 505-507

VIZZA, Patrizia, et al. Image processing segmentation algorithms evaluation through implementation choices. In: Proceedings of the 13th ACM International Conference on Bioinformatics, Computational Biology and Health Informatics. 2022. p. 1-7

TECHNICAL SKILLS

- Programming languages: Python, Matlab, Bash scripting, R.
- Software used for medical images processing using script (Bash, Python, Matlab): FMRIB software library (FSL), Statistical Parametric Mapping (SPM), Slicer 3D, Matlab. Command line software: BGENIE software for Genome-Wide Association Study (GWAS).
- Other software used during master's degree and PhD courses for different projects: PMOD, Plastimatch, Comsol, Arduino, Webratio, Simulink, Visual Studio code, MySQL, Java.

CERTIFICATIONS

Certified MRI scanner on human scanning:

- Obtained at Massachusetts General Hospital (MGH)/ Massachusetts Institute of Technology (MIT)/ Harvard Medical School (HMS) - Athinoula A. Martinos Center for Biomedical Imaging
- On 08/08/2023

25/09/2023

