

CURRICULUM VITAE

Pietro Saguatti



Nationality: Italian

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1. EDUCATION

Nov 2025 – Present

Ph.D. in Model and Methods for Material and Environmental Sciences

University of Modena and Reggio Emilia, Italy

Research topic: How contrasting tectonic settings influence the occurrence, architecture, and tsunamigenic potential of submarine landslides along Mediterranean margins. The project integrates high-resolution 2D and 3D seismic reflection data, borehole stratigraphy, and morphometric analysis to map Mass-Transport Complexes, quantify their volumes and kinematics, and constrain their emplacement ages.

Sept 2023 – Oct 2025

M.Sc. in Geosciences, Georisks and Georesources

University of Modena and Reggio Emilia, Italy

Final grade: 110/110 cum laude

Thesis title: *"New insights into the Gela mass-transport complex (Sicily Strait) from 3D seismic reflection data"*

Supervisor: Prof. Vittorio Maselli

Co-Supervisors: Dr. Marzia Rovere, ISMAR-CNR, Dr. Giacomo Dalla Valle, ISMAR-CNR

Sept 2019 – July 2023

B.Sc. in Geological Sciences

University of Modena and Reggio Emilia, Italy

Final grade: 95/110

Thesis title: *"Applicazione della fotogrammetria e del laser-sanning alla caratterizzazione delle cavità vulcaniche generate dall'eruzione del vulcano Fagradalsfjall in Islanda"*

Supervisors: Prof. Paola Coratza, Prof. Maurizio Mazzucchelli

2. INTERSHIPS

Feb 2025 – Sept 2025

Curricular Internship – Institute of Marine Sciences (ISMAR-CNR), Bologna, Italy

Analysis and interpretation of 3D seismic reflection data aimed at the characterization of submarine landslide deposits in the Gela Basin for de-risking energy exploration. Activities include data visualization and interpretation using specialized software such as Petrel.

Nov 2022 – Feb 2023

Curricular Internship – Virtual Geographic Agency (VIGEA), Reggio Emilia, Italy

Morphological analysis of volcanic cavities at Fagradalsfjall volcano (Iceland) using laser scanner and photogrammetry datasets. 3D data processing and visualization conducted with *CloudCompare* and *GIS* software, as part of the B.Sc. thesis project.

3. ACADEMIC & RESEARCH ACTIVITIES

- **Oceanographic Campaign, SPIN-Gela 2025**

Participation to an oceanographic cruise onboard of the R/V "Gaia Blu" of the National Research Council of Italy from April 14 to 28, 2025 in the Sicily Strait, aimed at investigating submarine geohazards. During the cruise, I gained experience in the acquisition and processing of seafloor multibeam bathymetric data and sub-bottom (CHIRP) sonar profiles.

4. WORK EXPERIENCES

May 2023 – Oct 2025 **Mediagroup98 Cooperative** – Welcome Crew Staff, Modena, Italy
Part-time role involving public assistance at theaters, museums, fairs and private events.

Dec 2021 – Sept 2022 **Chloè Catering Cooperative** – Waiter and Event Organizer, Modena, Italy
Service and organization for events including weddings, business dinners, and galas.

5. TECHNICAL SKILLS

- **Petrel** (2D/3D seismic data and well log interpretation)
- **Qinsy** (multibeam and sub-bottom profiler acquisition and navigation)
- **QGIS** (geographic data visualization and mapping)
- **CloudCompare** (3D point cloud analysis)
- **AutoCAD** (technical drawing and spatial analysis)
- **Microsoft Office Suite** (general productivity tools)

6. LANGUAGES

- **English: C1 (CEFR)** – Cambridge First Certificate in English, Score: 183/190 (May 2019)
- **Italian:** Native speaker