

Name Emma Ghini
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CURRENT POSITION

Aug. 2024-on going Visiting Ph.D. student
University of California, Berkeley, CA, United States

ACADEMIC CAREER

Nov. 2022-on going Ph.D. student in Structural Design
University of Bologna, Bologna, BO, Italy.

2023-2024 Academic tutor for *Advanced Design of Structures*
University of Bologna, Italy.

2022-2024 Academic tutor for *Structural Design*
University of Bologna, Italy.

2019 – 2022 Master's degree in Civil Engineering
University of Bologna, Italy.
"Numerical modelling of loads and damages for the design of an integrated SHM system for a RFI prestressed concrete railway bridge in Naples".

2015-2019 Bachelor's degree in Civil Engineering
University of Bologna, Italy.
"Analisi di una rete integrata per il controllo del Ponte Della Costituzione a Venezia".

RESEARCH WORK

Current Currently working on Structural Health Monitoring (SHM) of bridges and cultural heritage monuments, specifically on the integration of damage modeling and automated data interpretation procedures in long-term continuous monitoring systems.

Parallel activities Conceptual Structural Design / Large scale structures / WAAM technology applications in Construction.

Previous Managing Engineering and Construction Process / Mechanics of Historical Masonry Structures / Structural Strengthening and Rehabilitation / Advanced Design of Structures and Bridge Design

AWARDS

2023 *Start Cup Emilia-Romagna - ECOSISTER, final stage -*
Special Mention for Female Entrepreneurship with *ECOPOLE3D project*

WORKING EXPERIENCES

Sailing-Skipper / Photography director / Professional ballet dancer

SKILLS

Structural analysis
Strand7
SAP2000
Midas
3DEC
Abaqus

Design
Autocad
Revit
Rhyno & Grasshopper
All Plan

Coding
Matlab
Python

INTERNSHIP

Structural Modeling
ARCHINGEGNO
Verona, Italy
August, 2022 (1 month)

CERTIFICATIONS

English IELTS - Academic C1 (2019)
French CLA Certificate B1 (2020)