

Proactive, excited to learn new digital technologies, enthusiastic about project participation, and passionate about qualitative and quantitative analysis. Fast learner and comfortable switching between working independently and collaborating with a team. Eager to foster collaborative environments and support team-building activities.

Experience

Chair for Architectural Heritage and Sustainability, ETHZ, CH **POSTDOCTORAL RESEARCHER** Postdoctoral research and coordination of a digital archive project on Western African traditional architecture.

- Mediation between working teams and computer scientists.
- Experimentation for a graph database sub-project.
- Research on APIs and open standards for digital images.
- Preparation of scientific publications.
- Preparation of didactic material.

 $Photogrammetry\ Education\ Constructions\ Institute\ (PHEDCS),\ CZ$

LECTURER

Lecturer at the school on documentation of cultural heritage for students and professionals.

- Summer school organization.
- Teaching photogrammetry theory and practice.
- Teaching laser scanning theory and practice.
- Teaching point cloud post-processing.
- Teaching 3D modeling.

RE-WIN Basel, CH

VOLUNTEER

Practice and online support for the international project to send salvaged windows from demolition worksites in Switzerland to rebuilt houses in Ukraine.

- Windows measurements.
- Website content uploading.
- GIS map for delivered windows.

CONTACT

diaz@arch.ethz.ch +41 76 20 38 506 www.diazmartina.com Zurich, CH

EDUCATION

2018-2022

Dr. Sc. in Building Archaeology ETHZ, CH

2009-2015 BSc and MSc Architecture, Restoration University of Cagliari, IT

CERTIFICATIONS

PRESENT

- Python for Data Science. IBM-Coursera
 PRESENT
- Collegial coaching. ETHZ, CH 2023
- Tools for Data Science. IBM-Coursera 2023
- Research Data Management Basics and how to apply them. ETHZ, CH
- Research Data Management Data management planning. ETHZ, CH 2022
- Project Management for Research.
 ETHZ, CH
- 2019
- School on digital survey tecniques.
 KAIST, ROK
- 2018
- School on digital survey tecniques.
 POLIMI, IT
- 2017
- Geomatics & Restoration Preliminary
 Workshop. AUTEC, SIRA, IGMI, IT

TECHNICAL SKILLS

- QGIS
- Adobe InDesign & Photoshop
- MSOffice
- Metahsape
- Cyclone Hexagon
- Cloud Compare
- Arena 4D
- Python (beginner)
- Cypher (beginner)
- IIIF (beginner)

SEP

Experience Continued

	 Chair of Building Archaeology and Construction History, ETHZ, CH TEACHING ASSISTANT Activity with students, support for lectures, and participation in departmental activities. Frontal lectures and preparation of didactic materials. Support for digital technologies for surveys and data postprocessing. Preparation of seminar week abroad for students. Representative of the Assistants Association of the Architecture Department (AAA) in the Department Conference and Teaching Commission.
2016-2017	 Chair for Restoration, University of Cagliari, IT RESEARCH ASSISTANT Research on adaptive-reuse of former historical prisons in Sardinia. Research on traditional building practices. Geomatics studies. Preparation of educational material.
JAN-AUG 2016	 Municipality of Cagliari, IT APPRENTICESHIP IN RESTORATION GUIDELINES Planning and developing new regulations for the restorations in the Historic City Center. Research on traditional building practices. Creation of documentation for different stakeholders (practionners and estate owners). Layout design for digital documentation.
MAR-JUL 2015	 Property and Patrimony Office for Sardinia Region, IT PRACTICUM IN PUBLIC ESTATE MANAGEMENT Project for evaluation of dismissed state properties. Data management. Database maintenance. Preparation of public documentation.

References

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NOELLE PAULSON

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JULIEN LAFONTAINE

Dr. lafontaine@arch.ethz.ch

ORGANIZATIONS

2018-

AAA, ETHZ

2021-

CONSTRUCTION HISTORY SOCIETY

AWARDS & HONORS

2021

BEST PAPER AWARD 7th International Conference

on Construction History.

2016

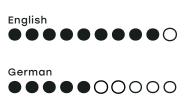
RESEARCH FELLOWSHIP University of Cagliari.

2015

BEST GRADUATED STUDENT University of Cagliari.

LANGUAGES

Italian mother tongue



French •••000

HOBBIES

- Gardening •
- Reading
- Learning electric saxophone
- Cycling
- Hiking
- Dancing