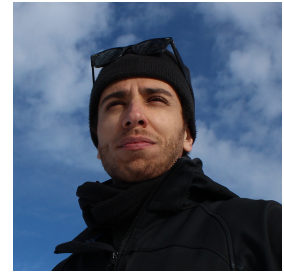


Lorenzo Cardarelli - Curriculum Vitae

18th July 2023

Born: 24th July 1995
Contact: lorenzo.cardarelli@uniba.it



Education

04/2022 – present	Associate researcher CNR-ISPC Staff Prehistory and Protohistory Research Group; Staff MAD-Lab Modelling Archaeological Data	📍 Rome, Italy
11/2020 – present	PhD Aldo Moro University PhD course in <i>Patrimoni archeologici, storici, architettonici e paesaggistici mediterranei</i> Project title: <i>Variability and standardisation of vessel shapes in the 2nd and first half of the 1st millennium in continental Italy A Data Science and Machine Learning project for the quantitative study of archaeological ceramic profiles</i> Tutor: Dr Marco Bettelli, Cotutores: Prof Andrea Cardarelli, Dr Paola Moscati	📍 Bari, Italy
01/2020	Master's degree in Archaeology (LM-02) University of Rome La Sapienza Thesis title: <i>Produzione vascolare dalla vetta del Monte Cimino (VT)</i> Supervisors: Prof Andrea Cardarelli, Dr Barbara Barbaro Grade: 110 with honours/110	📍 Rome, Italy
01/2020	Bachelor's Degree in Archaeological Sciences (L-01) University of Rome La Sapienza Thesis title: <i>Produzione vascolare dal contesto culturale del Monte Cimino (VT)</i> Supervisors: Prof Andrea Cardarelli Grade: 110 with honours/110	📍 Rome, Italy

Work experience

09/2022 – 10/2022	Archaeological excavation Archeosistemi Cooperative Society. Via Nove Martiri, 11/A 42124 Reggio Emilia (RE) Archaeological excavation of the protohistoric settlement of Monte Croce-Guardia (AN) Director: Prof. Andrea Cardarelli, University La Sapienza, Rome. Archaeological operator, Compilation of US sheets, Reliefs and photoplans, Laboratory and cataloguing activities.	📍 Arcevia (AN), Italy
09/2021 – 12/2021	3D reconstructions of buildings and artefacts University of Rome La Sapienza, Piazzale Aldo Moro 5 Realization of 3D reconstructions of dwellings and artifacts from the protohistoric settlement of Monte Croce-Guardia (AN).	📍 Rome, Italy

09/2021 – 11/2021	Archaeological excavation <i>Archeosistemi Cooperative Society. Via Nove Martiri, 11/A 42124 Reggio Emilia (RE)</i> Archaeological excavation of the protohistoric settlement of Monte Croce-Guardia (AN) Director: Prof. Andrea Cardarelli, University La Sapienza, Rome. Archaeological operator, Compilation of US sheets, Reliefs and photoplans, Laboratory and cataloguing activities.	📍 Arcevia (AN), Italy
09/2020 – 11/2020	Archaeological excavation <i>Akhet S.R.L., Closellinaz, 44/A, 11010 Roisan (AO)</i> Archaeological excavation of the protohistoric settlement of Monte Croce-Guardia (AN) Director: Prof. Andrea Cardarelli, University La Sapienza, Rome. Archaeological operator, Compilation of US sheets, Reliefs and photoplans, Laboratory and cataloguing activities.	📍 Arcevia (AN), Italy

Publications

Journal article 2023	Tracing the human movements of three thousand years ago by volcanic grinding tools in the Final Bronze Age settlement of Monte Croce Guardia (Arcevia-Marche Region, central Italy) Santi P., Cardarelli A., Bettelli M. Di Renzoni A., Cardarelli L., Paniccia C., Renzulli A., <i>Scientific Reports</i> 13, 7022
Journal article 2023	Money or ingots? Metrological research on pre-contact Ecuadorian "axe-monies" Montalvo Puente C. E., Lago G., Cardarelli L., Pérez Molina J. C., <i>Journal of Archaeological Science: Reports</i> , 49
Journal article 2022	A deep variational convolutional Autoencoder for unsupervised features extraction of ceramic profiles. A case study from central Italy. Cardarelli L., <i>Journal of Archaeological Science</i> , 144
Preprint 2022	Money or ingots? Metrological research on pre-contact Ecuadorian 'axe-monies' Montalvo Puente C. E., Lago G., Cardarelli L., Pérez Molina J. C.
Journal article 2022	Dimensionality reduction for data visualization and exploratory analysis of ceramic assemblages Cardarelli L., Lapadula A., <i>Archeologia e Calcolatori</i> , 33, 2
Journal article 2020	Capienza delle forme vascolari, da un metodo open source all'uso di modelli regressivi: il caso dell'insediamento protostorico del Monte Cimino Cardarelli L., <i>Archeologia e Calcolatori</i> , 31, 1

Experience gained during university education

09/2019 – 11/2019; 09/2018 – 11/2018; 09/2017 – 11/2017; 09/2016 – 11/2016; 09/2015 – 11/2015	Archaeological excavation <i>University of Rome La Sapienza, Piazzale Aldo Moro 5</i> Archaeological excavation of the protohistoric settlement of Monte Croce-Guardia (AN) Director: Prof. Andrea Cardarelli, University La Sapienza, Rome. Archaeological operator, Compilation of US sheets, Reliefs and photoplans, Laboratory and cataloguing activities.	📍 Arcevia (AN), Italy
06/2016 – 07/2016; 06/2015 – 07/2015	Archaeological excavation <i>University of Rome La Sapienza, Piazzale Aldo Moro 5</i> Archaeological excavation of the settlement and place of worship at Monte Cimino (VT). Director: Prof. Andrea Cardarelli, La Sapienza University, Rome. Archaeological operator, Compilation of US sheets, Reliefs and photoplans, Laboratory and cataloguing activities.	📍 Soriano nel Cimino (VT), Italy
11/2019	Systematic archaeological survey <i>University of Rome La Sapienza, Piazzale Aldo Moro 5</i> Systematic archaeological survey of the protohistoric settlement of Frattesina di Fratta Polesine (RO). Director: Prof. Andrea Cardarelli, La Sapienza University, Rome. Archaeological operator, Laboratory and cataloguing activities.	📍 Fratta Polesine (RO), Italy

01/2017 – 11/2017;
01/2019 – 12/2019

Laboratory work on archaeological material

📍 Rome, Italy

University of Rome La Sapienza, Piazzale Aldo Moro 5

Laboratory activities on archaeological material from the protohistoric settlement of Monte Cimino (VT). Drawing ceramic materials; Cataloging via database (Microsoft Access).

Conference talks

- 2023** **13° International Congress on the Archaeology of the Ancient Near East (ICAANE)**
Workshop Serialising, standardising, specialising: Investigating a techno-social nexus underlying social complexity. Cardarelli L., Computerised approaches for investigating the morphological standardization of Arslantepe VI A pottery, Copenhagen, 24 may 2023.
- 2020** **IAS – Incontri di Archeologia 2020. Digital Humanities Session I-II** Cardarelli L., Capienza delle forme vascolari, un metodo basato su strumenti e formati open source che include l'uso di modelli regressivi: il caso dell'insediamento protostorico del Monte Cimino. Rome, 19 november 2020.

Didactic activity

- 02/2022** **Python vs R - An archaeological challenge** Applied programming languages course to archaeology. XXXVI and XXXVII cycle of the Doctorate in *Patrimoni archeologici, storici, architettonici e paesaggistici mediterranei*. University of Bari 'Aldo Moro'.
- 03/2021** **QGIS basic course** Basic QGIS application to archaeology. XXXVI cycle of the Doctorate in *Patrimoni archeologici, storici, architettonici e paesaggistici mediterranei*. University of Bari 'Aldo Moro'.

Editorial work

- Peer-review** Journal of Archaeological Science

International experience

- 03/2022 – 07/2022 **Visiting Researcher** 📍 Vienna, Austria
Österreichisches Archäologisches Institut

IT skills

- OS** Windows
GNU-Linux

Office & Editing	Microsoft Office Adobe Photoshop Adobe Illustrator Adobe InDesign GIMP
Editing video & content creation	Adobe Premiere Pro Adobe AfterEffects
GIS Softwares	Qgis Arcgis SAGAgis
Version control	Git
Database	Microsoft Access
Programming & markup	R Python HTML CSS Markdown Bash SQL L ^A T _E X
Statistical software	Past SPSS
Computer graphics	Blender Unreal Engine Quixel Mixer Substance Painter Armor Paint