

GIOVANNI SVEVO

1915 Jane St., Pittsburgh, PA 15203
541 979 1882 | g.svevo@gmail.com
portfolio: actus.it/portfolio

PROFESSIONAL SUMMARY

In my work as a professional archaeologist, I have specialized in the use of GPS and GIS software, applying this knowledge to archaeological fieldwork and focusing on the integration of different data sources in GIS environments. I received formal training in GIS, cartography and web development at Oregon State University, where I obtained an MS in Geography and a Graduate Certificate in Geographic Information Science. In recent years my work has focused on Digital Humanities projects in collaboration with cultural institutions and universities. As a freelancer I create geo-visual web applications using exclusively open source software.

SKILLS

- **Geographic Information Science** - Processing and analyzing raster and vector geospatial data; working experience with ESRI ArcGIS software and extensions, as well as open source GIS software; experience developing and maintaining GIS databases
- **Cartography** – In-depth knowledge of cartographic design and production concepts and principles; multi-year experience in the creation of mapping products and in the development of web-based mapping applications
- **Web Development** - Creation of geo-visual web applications using HTML, CSS, JavaScript and JQuery; database management and data query using MongoDB and JSON files; basic knowledge of Python scripting
- **Archaeology** - BA and Professional Doctorate in Classical Archaeology; fifteen years experience conducting archaeological excavations and surveys; management of complex excavations using GIS and photogrammetry
- **Photogrammetry** - Use of Structure from Motion techniques to document archaeological excavations; creation of georeferenced 3D models to perform spatial analyses and generate scaled drawings of archaeological features
- **Digital Humanities** - Development of interdisciplinary projects to digitize historic archives and enhance their accessibility; application of web technologies to permanently preserve and assure open access to digital collections

RECENT WORK EXPERIENCE

GIS Analyst (Graduate Researcher)

Oregon State University, 9/2018-9/2019

Lead Cartographer and Designer for the '[Global Refugee Atlas](#)', a project funded by a grant from the National Geographic Society's Committee for Research and Exploration.

- Collected, analyzed and transformed geospatial data from a trove of different open sources

- Designed the website's structure in order to achieve the project's objectives
- Developed interactive maps and storytelling tools using JavaScript, JQuery, D3.js, Leaflet.js, Mapbox-gl.js and Storymap.js
- Set up a Linux server on Digital Ocean and run Python scripts to retrieve daily data from the web
- Visualized data collected on the server with automatic daily updates to visualize basic sentiment analyses
- Retrieved satellite imagery through Google Earth Engine and created interactive diachronic maps showing the growth of individual refugee camps

GIS Analyst (Independent Contractor)

Parco Archeologico di Ostia Antica, 5/2018-10/2019

Created and developed a webGIS platform ([NADIS - Nuovo Archivio Disegni](#)) to access and explore drawings and images of the excavations of Ostia Antica hosted in the archive's database

- Collected and georeferenced geospatial data relevant to the area of the project
- Designed the structure for an interactive website to allow a topographic, rather than textual, approach to the drawings' collection
- Integrated in the website an external open source tool to visualize individual images
- Implemented additional features such as basic textual search (using geoJSON files), user geolocation for mobile version and measurement tools

GIS Analyst (Independent Contractor)

Parco Archeologico di Ostia Antica, 4/2017-3/2018

Created and developed a webGIS platform ([GISMondi](#)) to manage archeological and administrative data

- Georeferenced vector and raster geospatial data relevant to the area of the project
- Designed and developed an interactive website integrating textual documents and geographic features.
- Vectorized paper drawings and georeferenced historic excavation plans
- Customized code using JavaScript, Leaflet.js and Bootstrap.js

DH Specialist (Research Associate)

University of Oregon, 6/2017-1/2018

Research Associate in the project '[The Urban Legacy of Ancient Rome: Photographs from the Ernest Nash Fototeca Unione collection](#)', an interdisciplinary project between University of Oregon, Stanford University, Dartmouth College and American Academy of Rome, funded by the Kress Digital Resources Grant Program 2017

- Analyzed and selected historic archaeological photographs
- Geolocated all images on contemporary and historical maps of Rome
- Created an interactive map displaying the location of all the digitized images
- Managed data toward integration with the Stanford Digital Repository standards for open data

DH Specialist (Project Director)

University of Oregon, 9/2015-2/2017

Principal researcher in the project '[Nova Forma Urbis Romae: mapping the Fondo Rodolfo Lanciani collection](#)', an interdisciplinary project between University of Oregon, Stanford University, Dartmouth College and *Istituto Nazionale di Archeologia e Storia dell'Arte* of Rome, funded by the Kress Digital Resources Grant Program 2015

- Managed different aspects of the project including communication with stakeholders
- Analyzed and selected historic archaeological drawings and photographs
- Geolocated all images on contemporary and historical maps of Rome
- Managed digital representation and editing of the images
- Managed data toward integration with the Stanford Digital Repository standards for open data

Archaeologist/Topographer

Comune di Rieti, 12/2014-9/2015

Directed, managed and executed archaeological excavations connected to extensive public works in the historic city center of Rieti (Italy)

- Managed in GIS environment all data related to the excavations
- Used Structure from Motion techniques to document archaeological excavations
- Created georeferenced 3D models to perform spatial analyses
- Generated georeferenced scaled drawings of archaeological features
- Generated georeferenced DTM of the excavated areas and integrated in the GIS environment

PREVIOUS WORK EXPERIENCE

- **2010-present:** Co-founder and Technical Director of Actus srl, an Italian company providing archaeological and topographical services
- **2002-2010:** Contract Archaeologist and Topographer; consultant to several Italian national archaeology agencies

EDUCATION

MASTER OF SCIENCE IN GEOGRAPHY, 2019 – Oregon State University. Curriculum focused on GIS, System Architecture for Web Mapping and Data Visualization using JavaScript and Python.

PROFESSIONAL DOCTORATE (DIPLOMA DI SPECIALIZZAZIONE) IN CLASSICAL ARCHAEOLOGY, 2007 – Università di Roma 'La Sapienza'. Thesis in Latin Epigraphy ('Lorium in the Roman Period: Epigraphy and Topography').

BACHELOR'S DEGREE (LAUREA QUADRIENNALE) IN CLASSICAL ARCHAEOLOGY, 2002 – Università di Roma 'La Sapienza'. Thesis in Ancient Numismatics ('Topography and Numismatics of Teanum Sidicinum').

PROFESSIONAL DEVELOPMENT COURSES AND CERTIFICATIONS

Graduate GIScience Certificate, *Oregon State University* – September 2019

Certification in ‘Preventive archaeology and archaeological risk management’, *LUISS Business School*, Rome, March – December 2012

Geophysics and Aerial Photography for Archaeology, CNR - Consiglio Nazionale delle Ricerche (National Research Council) - Istituto di Tecnologia Applicata ai Beni Culturali, Aquino, June 2011.

Theory and Methods for Satellite Global Positioning Systems for Topography and Zoning, *Leica Geosystems S.P.A.*, Rieti, May 2011.

Geographic Information Systems and GIS Geodatabases, *GIS Land*, Florence, April-May 2008

PUBLICATIONS

G. Svevo, S. Barrano, “*Archeologia Urbana a Rieti (riqualificazione PLUS 2015): nuovi dati per la storia e per la topografia della città*”, in “*Archeologia urbana a Rieti: da palazzo Aluffi agli scavi PLUS*”, Rieti 2019

G. Svevo, “*Storia e topografia del territorio di Lorium*”, in *La villa delle Colonnacce*, Soprintendenza Speciale per i Beni Archeologici di Roma, Rome 2016

G. Svevo, R. Valente, “*Nuove metodologie di rilievo e valorizzazione*”, in “*La ripresa delle ricerche del PIAC al San Calocero di Albenga*”, *Rivista di Archeologia Cristiana*, Rome 2015

S. Mineo (ed.), with L. Giammichele and G. Svevo, *Gli otto libri quali narreno di varie et diverse cose apertinenti alli cacciatori, di Domenico Boccamazza (1548)*, *Miscellanea della Societa' Romana di Storia Patria*, Rome 2015

G. Svevo, “*I bolli laterizi provenienti dallo scavo*”, in *Il mausoleo di Marco Nonio Macrino sulla via Flaminia*, Soprintendenza Speciale per i Beni Archeologici di Roma, Rome, 2012

G. Svevo, “*La strada, la cava e la necropoli di via Cesaro*” in *Bullettino della Commissione Archeologica Comunale di Roma* 109 (Rome, 2009), pp. 422-424.

D. Rossi and G. Svevo, “*Un mosaico con medusa dal complesso termale della villa di Olivella (Castel di Guido, Roma)*”, in *Atti del XIII colloquio dell'Associazione Italiana per lo Studio e la Conservazione del Mosaico* (Tivoli, 2008), pp. 487-491.

G. Svevo, “*Il territorio di Massimina in età imperiale*” in D. Rossi (ed.) *Archeologia a Massimina* (Rome, 2008), pp. 111-114.

PROFESSIONAL LEADERSHIP AND SERVICE

Associazione Nazionale Archeologi (Italian Association of Professional Archaeologists)

- National Director, March 2010 – March 2019