

Curriculum Vitae

Nathan J. Scully

Academic Background

University of Maryland, College Park, MD 2023 – Current

M.P.S Cultural and Heritage Resource Management (Anticipated Graduation Spring 2025)

West Chester University, West Chester, PA 2018 - 2022

Bachelor of Arts in Anthropology and Minor in GIS

Professional Experience

AD Marble. King of Prussia 2021-Present

Archaeological Field Technician, GIS

- Worked on Phase I, II, and III Archaeological Investigations.
- Create and edit GIS Figures of Field Maps, Georeferencing Historic Maps, and Aerials Photography for Phase I, II, and III Archaeological Investigations.
- Creation of Soil and Slope maps for Archaeological Field Work
- Create and edit GIS Figures for Architectural Historians and Wetland Surveys
- Lead a small crew on archaeological Investigations
- Lab Tasks including cataloging, labeling, washing and inventorying
- Excavate transects of Shovel Test Pits
- Excavate and Test Units
- Draw Profile and Plan views of above-ground and below-ground features

Relevant Academic Experience

Advanced Archaeological Field School West Chester University, May 2021 – June 2021,
Operated by Dr. Heather Wholey

Delaware Bay Archaeology and Sea Level Project (National Geographic Explorer's project)

- Worked in a leadership position during field and lab work.
- Worked as a unit supervisor, guiding other students in unit excavation and writing field forms.
- Conducted background research on the sites of interest, including maps and history of the site.
- Conducted a Ground Penetrating Radar survey, and processed data in RADAN 7 software.
- Assisted in a marsh sediment coring operation.

Archaeological Field School, West Chester University, June 2019 – July 2019, 120 Hours

Operated by Dr. Heather Wholey

Delaware Bay Archaeology and Sea Level Project (National Geographic Explorer's project)

- Work in the field with other students as a team to conduct shovel test pit survey and test unit excavation.
- Record survey and unit excavation information on standardized field record forms.
- Excavate in very sandy soils.
- Standard soils identification and description.
- Precise plan and profile mapping.
- Garmin GPS survey.
- Withstand extreme temperatures and humidity; work in tidal marsh environment; travel via small johnboat through tidal creeks.

Independent Study in Industrial Archaeology, West Chester University, January - April 2020

Conducted at the Newlin Grist Mill Park (NGMP), Concordville, PA

Supervised by Dr. Heather Wholey and Mr. Keith Doms, NGMP site manager

Society for Industrial Archaeology funded project

- Work in the field with other students as a team to conduct deep unit excavation at historical mill spillway.
- Excavate through layers of modern and historical fill.
- Excavate waterlogged wood planks.
- Extensive plan and profile mapping.
- Present field work and site section progress updates to team members and supervisors.
- Assemble and summarize field notes, maps, and drawings.
- Withstand harsh weather conditions, including sleet and snow.

Archaeological Field Techniques (GPR), West Chester University, Sept. – December 2020

Conducted at various locations in Delaware

Supervised by Dr. Heather Wholey

- Used GSSI ground penetrating radar at a historic cemetery, a fortress in Delaware and an 18th century domestic site in Pennsylvania.
- Used RADAN software to interpret GPR scan data.
- Used hand-held Garmin GPS.
- Used GIS and Google Earth to plot data.

Special Skills/Certification

ACHP Section 106 Essentials

First Aid and CPR Certification

OSHA 10-hour Construction Training

OSHA 2-Hour Confined Space Training

Con Rail Training

LiDar for Cultural Resources (SAA Seminar, certificate of completion)

GSSI Academy certification in RADAN software

Basic knowledge of Geographical Information Systems (GIS): Esri ArcGIS 10.8.1

Intermediate knowledge of GSSI Utility Scan GPR unit and RADAN software

Relevant Professional Skills

- Basic communication in Spanish
- Ability to multitask at work
- Comfortable public speaking
- Adaptable
- Creative
- Good time management
- Quick learner
- Effective verbal and written communication
- High emotional intelligence
- Responsible