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.

Relevant Coursework, University of Maryland

Intro to GIS for Archaeology

Intro to Cultural and Heritage Resource Management

Applied Archaeological Theory

Advanced Methods in Archaeology

Relevant Coursework, West Chester University

Advanced Archaeological Field School Historical Archaeology

Archaeological Field School Archaeology of Central America

World Geography Ethnology Theory
Archaeology Field Techniques Cultural Heritage
Independent Study: Industrial Archaeology Spanish 101-302

Archaeology of Ancient North America Introduction to Linguistics

Introduction to GIS Humans and the Environment

Intro to Geospatial Analysis Field Geology

Collections Care and Management Introduction to Geology
Computer Cartography Maps and Remote Sensing

Relevant Volunteer Work

Huey Site May – June 2019 18th century domestic site, Westtown Township, PA

Operated by Dr. Heather Wholey, WCU with the Westtown Township Historical Commission

• Unit excavation, artifact processing and basic artifact ID.

Newlin Grist Mill September 2019

18th and 19th century industrial mill site, Concordville, PA

Public Archaeology Aid for Delaware County Archaeology Festival

• Interacted with public while doing archaeological excavation.

Public Lab Assistant November 2019

Anthropology Lab, West Chester University

• Guided hands-on archaeological lab activities for elementary and middle school students.

Scholarly Presentations

- 2021 The Huey Site: A Community Archaeology Project, PASSHE Anthropology Undergrad Conference
- 2021 The Huey Site: A Community Archaeology Project, CSM West Chester Online Research Day

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