

GIS Internship, Wells Reserve
Spring Semester 2022

The Wells National Estuarine Research Reserve is looking for a part-time (120 hours) intern during the Spring Semester (2022) for an ongoing GIS partnership project with the Hope Cemetery in Kennebunk Maine.

Goal of the project: Create an online Web App that would allow people to search records of the Hope Cemetery in Kennebunk, Maine and view data and location associated with either a family plot or individual grave, including which graves contain veterans. The ability to search cemetery records would also allow Middle School and High School students to conduct Social Science projects such as researching possible causes of high death rate years, conducting historical family or veteran related research, or environmentally safe ways to restore gravestones, investigating gravestone symbology, etc.

The GIS Intern will gain experience working with Wells Reserve GIS staff providing mapping support for a community non-profit organization, collecting and managing spatial data, creating mapping products, and interfacing with community members.

Objectives:

- Create attribute data for owners of grave plot shape files
- Associate photographs of tombstones with grave data
- Ground truth data onsite for quality assurance using ArcGIS 123 survey
- Create an ArcGIS Online Map of Hope Cemetery plots and graves.
- Create an ArcGIS interactive Web App to allow users to search for plot or grave by a variety of attributes.
- Present project overview to Hope Cemetery Board at end of internship
- Create ArcGIS StoryMap as part of final project deliverable

Prerequisites:

- Basic skills with ArcGIS Desktop or ArcGIS Pro, including editing shapefiles or geodatabases, adding attribute data, joining tables necessary.
- Working with Excel spreadsheets to append to shapefiles or geodatabases.
- Ability to work independently (and possibly remotely) and meet deadlines with excellent results.

Additional Skills preferred:

- Creating Survey 123 surveys and Web App widgets (may be acquired throughout internship).

Location: Much of the project work can be done remotely however some onsite work will be required. Work location and schedule is flexible.

Compensation: Work may be used for credit with approval of academic institution.

Application process: Apply by 12/13/2021 with cover letter indicating relevant experience. Unofficial transcript appreciated. Send application by email to jaman@wellsnerr.org.