

POSITION ANNOUNCEMENT:

GEORGE MELENDEZ WRIGHT INITIATIVE FOR YOUNG LEADERS IN CLIMATE CHANGE

The National Park Service (NPS) is pleased to announce the *George Melendez Wright Initiative for Young Leaders in Climate Change* (YLCC) to provide a pathway for exemplary students in higher education (graduate students, advanced undergraduate students, and recent graduates) to apply their skills and ideas to park-based challenges and solutions. The Initiative offers 12-week paid internships which allow students to gain valuable work experience, explore career options, and develop leadership skills through mentorship and guidance while helping to advance the NPS response to climate change. Successful students may be eligible for non-competitive hire into federal positions for which they qualify following completion of all academic requirements.

**ESTABLISH CLIMATE CHANGE MONITORING ON
CULTURAL LANDSCAPES AND HISTORIC STRUCTURES**

Salem Maritime & Saugus Iron Works National Historic Site
Salem & Saugus, MA

Develop a system to measure climate change threats to the preservation of America’s early history and engage citizen scientists to monitor changes to our most fragile historic landscapes.

INTERNSHIP PROJECT BACKGROUND

Both Salem Maritime and Saugus Iron Works National Historic Sites are coastal zone sites with historic structures immediately on the waterfront. Both sites also have cultural landscapes that require management informed by climate change conditions.

Extreme weather precipitation events in the Gulf of Maine have increased significantly since the 1960s and are predicted to continue to increase. Low-lying coastal areas such as the two national historic sites are susceptible to these occurrences and, when they occur, could result in dramatic changes to the cultural landscapes that represent the predominant landforms for each site. These include the fragile ‘Derby Wharf’ and beach on the waterfront in Salem and the recently restored turning basin on the Saugus River at Saugus Iron Works.

INTERNSHIP PROJECT DESCRIPTION

The goal of the project will be to develop an 'easy' climate change monitoring protocol to support both park management and public communication about the impacts of climate change...not only on the park resources but also in the broader community. Once a protocol is developed, a further step of developing a long term citizen science program for monitoring impacts will be initiated by park staff.

Internship Tasks

1. Conduct a review of citizen science models for cultural landscape monitoring
2. Identify the climate change impacts most likely to threaten the cultural landscapes at Salem Maritime and Saugus Iron Works National Historic Sites.
3. Propose a well-reasoned citizen science based cultural landscape monitoring program aimed at measuring impacts from climate change-driven stressors/events.
4. Assist park staff in preparing public materials related to climate change monitoring.

Internship Products

1. Preliminary assessment of climate change monitoring protocols designed for historic protected areas.
2. Public materials and outreach strategy for engaging communities in citizen science based monitoring.

QUALIFICATIONS

The strongest candidates will be able to show specific academic or professional work experience in climate change monitoring, coastal adaptation studies, management of historic landscapes/structures in coastal environments, and/or public policy development related to climate change impacts. Candidates should have proficiency in developing citizen science programs and working with partners and the public. Since this project is focused on climate change impacts to cultural landscapes, candidates should demonstrate a strong understanding of cultural landscape management practices in their application materials.

LEADERSHIP DEVELOPMENT

The intern will be directly supervised by the Chief of Cultural Resources (or, if that position is not filled, by the Park Planning Lead) and will receive all necessary administrative support to be successful. Additionally, the intern will be included in training, enrichment and networking with the Olmstead Center for Landscape Preservation (under the tutelage of Elliott Foulds) as a part of the "Designing the Parks" team. The park superintendent will likewise be closely involved in this project and will support the intern. Essentially, this experience is conceptually designed to be similar to that of a graduate student experience where independent actions are taken by the intern, but regular oversight and support are provided by park managers.

The NPS required training for most employees will be afforded the intern as will the expectation that the intern can complete a sufficient background investigation to be granted access to the NPS LAN computer system.

DATES OF POSITION

Approximate start date is June 5, 2017. Dates are flexible to respond to the interns schedule, but will be focused on summer of 2017.

COMPENSATION

This initiative supports one student at \$15/hour for 12 weeks, or 480 hours.

HOUSING

Local rentals are available in Salem/Saugus and surrounding communities. The primary work environment will be in Salem. Public transportation options are available as is parking for private vehicles. A housing subsidy may be available to the intern for rental housing.

WORK ENVIRONMENT

The work environment is within the two national historic sites, both situated in coastal New England communities. Work spaces are within offices set in the cultural landscapes. Both sites are easily accessed from the Boston area and enjoy bucolic settings along either Salem Sound or on the Saugus River.

CONTACT INFORMATION

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