GIS & Hazard Mitigation Intern

Division/Unit: GIS  
Supervisor: Ramani, Shraddha

Number of Interns Needed: 1  
Preferred Education Level: Bachelors

Background on Project:
Local and State jurisdictions must have a FEMA-approved Hazard Mitigation Plan (HMP) to receive FEMA hazard mitigation funds after a Presidential Disaster Declaration. HMPs must be updated every five years, and the next update is due in 2019. The primary goal of NYC’s HMP is to serve as a comprehensive resource for addressing the hazards that pose a threat to the city and actions that could reduce the impacts from these hazards. The 2019 HMP update will be a website with interactive maps and data exploration tools.

The NYCEM GIS Division has been working with the Hazard Mitigation planning team and a consultant to create a Hazard History & Consequence (HH&C) tool to understand the impact of past hazard events on New York City. This tool brings together data from various city agencies, FEMA, and other sources to create a comprehensive view of how each hazard event has impacted the city’s infrastructure and daily operations. The tool will be made publicly available as part of the 2019 HMP update. The GIS Division seeks an intern to help improve the HH&C tool by integrating new datasets and provide general mapping support for the HMP.

Description of Project/Intern Responsibilities:
Under supervision by the GIS Mitigation Data Manager, the Summer 2018 GIS & Hazard Mitigation Intern will:
- Update and add new data to the Hazard History & Consequence tool
- Give feedback and suggestions on the usability and design of the tool
- Provide general mapping and data support for other parts of the HMP such as the mitigation projects map and other hazard-specific maps
- Other responsibilities as assigned by the GIS and HMP teams

Requirements/Special Skills Needed:
- Experience with GIS (ESRI ArcGIS v10 preferred)
- Knowledgeable about and interested in emergency management, hazard mitigation and resiliency
- Experience working with large datasets.
- Proficient in Microsoft Excel
- Interest in Python, R or other programming languages
- Excellent organizational skills and attention to detail
- The ability to work well within a team structure

Intern Safety:
Will the intern be required to leave NYCEM’s main building during his/her internship? Yes [ ] No [ ]

If “yes”, please provide details (how often will they be required to leave the building, what will be the nature of the work performed, what mode of transportation will be used, etc):

If “yes”, intern will be required to sign an acknowledgement after the interview stating that they are aware of their responsibilities both at NYCEM and in the field.

Interested Applicants:
E-mail resume and cover letter to: jobs@oem.nyc.gov
Mail to: HR Coordinator
NYC Emergency Management
165 Cadman Plaza East
Brooklyn, NY 11201