

# Katherine Maradiaga

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## PROFILE

Young professional from NYC passionate about using analytical skills and background in science to communicate issues to the public that aid environmental good and public sector wellness.

## EDUCATION

### University of Wisconsin - Madison

Advanced GIS Certificate

Online

Expected May 2019

### Marist College

Bachelor of Science, Environmental Science major, Data Analysis minor

Poughkeepsie, NY

May 2018

## EMPLOYMENT

### NYS Office of Parks, Recreation, and Historic Preservation

*Empire State Trail GIS Technician*

Albany, NY

June 2018 — Present

- Traveled to several NYS counties collecting GPS data on the statewide Empire State Trail.
- Developed ArcGIS geodatabase featuring collected GPS data and points from existing trail maps.
- Created maps by request in support of Hudson River Greenway agency and the GIS Bureau.

### NYC Department of Parks & Recreation

*Yale-Hixon Park Inventory Analyst Intern*

Olmsted Center, Queens, NY

June - August 2017

- Conferred management recommendations from comparative analysis of ten-year tree census and 1000+ record tree inventories of small landscaped parks.
- Created new 120-record Microsoft Excel database from scratch cataloging tree characteristics and vulnerabilities sourced by research of five comprehensive plant databases.
- Identified and marked loci of 300+ trees in landscaped areas with Trimble GPS and Collector.

### The Nature Conservancy

*Contracted for data extraction and cleansing*

Marist College, Poughkeepsie, NY

February - May 2017

- Converted 2 GB of raw data from Excel spreadsheets into readily mappable GIS layers.

### Natural Areas Conservancy

*Field Biologist Intern*

Gateway National Recreation Area, Brooklyn, NY

July - August 2016

- Conducted ecological field assessments of 100 plots appraising National Park Service land using Microsoft Access and Trimble GPS.

### Marist Fund

*Phonathon Associate*

Marist College, Poughkeepsie, NY

September 2015 - May 2018

- Encouraged donations totalling \$12,000+ over three years.
- Called 500+ alumni per week to solicit contributions and foster renewed interest.

**Marist Institute for Public Opinion***Telephone Poller*

Marist College, Poughkeepsie, NY

September 2014 - May 2015

- Inputted 100+ complete questionnaires, 5% responding overall, to nationwide political surveys.

**El Puente Bushwick Leadership Center***Youth Organizer*

Bushwick, Brooklyn, NY

June - August 2014

- Planned activities and developed speaking material for four community events (book fair, art show, hip-hop jam, back-to-school fair) enriching 150+ neighborhood youth per event.

**VOLUNTEERING****Department of Environmental Protection***Eel Collector and Monitor*

Fall Kill Creek, Poughkeepsie, NY

April - May 2016

- Recorded daily presence of 200+ eels per weekend at Hudson River monitoring station using catch-and-release methods.

**Governors Island Alliance***Horticultural and Island Ambassador*

Governors Island, New York, NY

June - August 2015

- Watered and weeded shrubs three times per week over 80 acres allotted to me.
- Distributed information to 200+ visitors per weekend while representing non-profit.

**SKILLS AND INTERESTS**

- Certifications: OSHA 30-Hour General Industry
- Advanced: Microsoft Access, Microsoft Excel, Microsoft Word, Adobe Creative Suite, Google Drive
- Proficient: ArcMap 10.x and ArcPro, SQL, R, HTML, CSS, Javascript
- Basic: IBM SPSS Modeler

**Literary Arts Society***President*

Marist College, Poughkeepsie, NY

September 2017 - May 2018

- Streamlined timeline for semester-based production and distribution of creative magazine *The Mosaic*, a 100-page issue with 500+ copies in print.
- Trained executive board in use of Adobe Indesign to layout *The Mosaic* and release promotional materials in relation to it.

**Campus Sustainability Advisory Committee***Member*

Marist College, Poughkeepsie, NY

September 2016 - May 2018

- Designed logos for rebranding of Fern Tor Nature Preserve as part of forest management plan.
- Created Google Sheets database of 32 comparable universities linking to sustainability initiatives.