

Diana Garcia Silva

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EDUCATION

Queens College, School of Earth & Environmental Sciences – Flushing, NY

Master of Arts, Geological and Environmental Sciences – Present

Relevant Coursework: Marine Conservation, GIS Information Systems & Mapping, Hydrology, Geochemistry, Urban Water Management, Data Science & Statistics

Queens College, School of Earth & Environmental Sciences – Flushing, NY

Bachelor of Science, Environmental Science - May 2019

Relevant Coursework: Environmental Microbiology, Environmental Problem Solving, Biogeochemistry, Environmental Impact Assessment, Risk Management, Estuarine & Coastal Management

Queensborough Community College – Bayside, NY

Associates of Science, Environmental Health - July 2015

Relevant Coursework: Environmental Health Science, Chemistry of the Environment, Microbiology, Public Health, Research Lab Internship

EXPERIENCE

Research Assistant, Professor Dax Soule, Queens College, CUNY

August 2019 – Present

- Collaborate with Project EDDIE to develop statistical vignettes to help illustrate imperative statistical concepts to be learned and utilized by students for the analysis of large, high frequency environmental datasets in the natural sciences.
- Assist in the collection and data analysis of student survey responses on statistical learning.
- Develop and update Statistical Vignettes website to allow for public use on the developed lessons

Teaching Assistant, Queens College, CUNY

August 2019 – December 2020

- Encouraged students to understand the importance of reading and comprehending quantitative and qualitative datasets and their role in Environmental decisions.
- Prepared weekly lectures, presentations, quizzes, and assignments related to sustainability and environmental science based on department lab manual.
- Instructed students on laboratory procedures and guidelines, and supervised lab experiments

SUST-MS4 Administrative and Research Intern, Department of Environmental Protection, Flushing, NY

June 2019 – August 2019

- Liaison between BEPA's watershed modeling unit and SWMP-MS4 contractors.
- Communicated and coordinated with technical leads and fellow team members on the implementation of the Stormwater Management Program (SWMP).
- Contract management and fiscal analysis of invoices towards project implementation and reporting.

- Assisted in analyzing and tabulating data from Green Infrastructure construction maps utilized by multiple city agencies.

BEPA Administrative Intern, Department of Environmental Protection, Flushing, NY
June 2018 – August 2018

- Contract management and fiscal analysis of SWMP-MS4 invoices towards project implementation and reporting.
- Communicated and coordinated with technical leads and fellow team members.
- Reviewed summary report on the SWMP-MS4 Program.
- Amassed NYC 311 Open Data for Don't Trash Our Water's Campaign Analysis.

NYPIRG Internship, QCC, Bayside, NY
09/2015 – 01/2016

- Registered voters for the 2016 presidential election.
- Educated Public on Governor Cuomo's REV Initiative and Port Ambrose Energy Project.
- Updated NYPIRG Membership list.

BI 554, Research Lab Intern, QCC, Bayside, NY
09/2014 – 12/2014

- Used GenBank to research for known TMC proteins in *Hydra vulgaris*.
- Designed PCR primer for *Hydra* TMC gene replication.
- Replicated TMC gene through PCR.

PROFESSIONAL AFFILIATIONS/VOLUNTEER WORK

Project EDDIE (<https://serc.carleton.edu/eddie/>) Contributor August 2019 – Present

Alley Pond Environmental Center Volunteer, Bayside, NY 10/2015 - 01/2016

- Clerical work: bookkeeping, cataloging, organizing surveys.
- Assisted the preparations for the spring 2016 environmental education fair.
- Assisted with arts and crafts.

Queensborough Biology Club, Bayside, NY 10/08/2014

- Assisted in the plantation of native wildflowers that would benefit monarch butterflies, local animals, and insects at Oakland Park as part of the NYC Parks Oakland Lake Meadows Restoration Project.

SKILLS & INTERESTS

Computer Skills: Proficient in Microsoft Office Word, PowerPoint, Excel, OneNote; Dropbox, OneDrive, Google Drive; Google Maps. Experience with ArcGIS, SAS, R studio, Adobe Premiere Pro.

Interest: Organizing, reading, photography, watching animation movies and series

REFERENCES

Dax Soule, Assistant Professor, CUNY Queens College, Flushing, NY 11367, Phone: 718-997-3329,
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Gregory O'Mullan, Associate Professor, CUNY Queens College, Flushing, NY 11367, Phone: 718-997-3452,
Email: gregory.omullan@qc.cuny.edu

Dianne I. Greenfield, Associate Professor, CUNY Queens College, Flushing, 11367, Phone: 212-413-3154,
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Shameka Dorestant, Stormwater Management Program Coordinator, BEPA, Department of Environmental
Protection, Flushing, NY 11373, Phone: 718-595-6450, Email: sdorestant@dep.nyc.gov