

ALEXIS NEFFINGER

413-237-0016

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EDUCATION

Master of Science (Pursuing) *Coastal and Marine System Science*

January 2020 – Present

Texas A&M University - Corpus Christi

Graduate Research Assistantship Advisor: Dr. Jennifer Pollack

Bachelor of Science *Environmental Science*

September 2014 – May 2018

Fordham University, Bronx NY

Cumulative GPA: 3.4

GRE Scores: Analytical Writing 5.0, Quantitative Reasoning 157, Verbal Reasoning 153

PROFESSIONAL EXPERIENCE

National Park Service *Biological Science Technician* Crater Lake National Park, OR June 2019 – Present

- Deployed aquatic sensing equipment such as CTDs, miniDOT Oxygen loggers, biospherical instruments, etc.
- Utilized gill nets for fish surveys and took data on fish sex, maturity, weight, and species
- Conducted snorkel/trap surveys to monitor invasive crayfish, sampled for zooplankton and phytoplankton
- Sorted and identified benthic macroinvertebrates, filtered water samples, and processed C-14 samples
- Troubleshooted sampling gear and launched, maintained, and operated government motorboats/vehicles

Trustees of Reservations *Ecology Intern* Florence, MA

January – May 2019

- Utilized ArcGIS to create botanical rare species maps for Trustees' properties
- Researched and wrote invasive potential reports of problem species to be presented to MIPAG
- Created/maintained large excel databases that inventoried flora and fauna species for Trustees' properties
- Deployed/recovered camera traps and processed images

SCA/AmeriCorps *Native Trout Conservation Intern* Yellowstone National Park, WY August – October 2018

- Removed non-native fish species from Yellowstone Lake and recorded fish sex, maturity, and size
- Tracked non-native fish via radio telemetry and sonar
- Conducted lake invertebrates/sediments sampling and assisted with induced spawning of lake trout
- Operated small ROVs, government motorboats, and trucks
- GPS mapped river tributaries over rough terrain, carrying heavy packs in harsh weather conditions

RESEARCH EXPERIENCE

The American Museum of Natural History *Research Assistant* New York, NY

January – May 2018

- Assisted a doctoral candidate with conservation genetics research of the African leopard
- Performed shot-gun sequencing to enrich/sequence DNA fragments from the AMNH mammal collection
- Practiced sterile laboratory technique

The Louis Calder Center *Research Assistant* Armonk, NY

January 2017 – May 2018

- Researched the invasive fungus *P. destructans*, the cause of white-nose syndrome in hibernating bats
- Conducted transesterifications, gas chromatography, TLC, sterilization, and prepared media/inoculations
- Analyzed lab data via statistical programs, contributing to a final scientific manuscript

TEACHING/MENTORING EXPERIENCE

Wildlife Conservation Society: Project TRUE *Field Research Mentor* Bronx, NY June – August 2017

- Created a project that studied the effects of plant biodiversity on wild small mammals at the Bronx Zoo
- Tracked mammals via track tubes/camera traps, conducted plant identification and transect line surveys
- Mentored a group of high school students in ecology, field research, and scientific poster creation

Lindamood-Bell Learning Processes *Tutor* New York, NY June 2016 – December 2017

- Provided an individualized learning experience to students with autism spectrum disorders or dyslexia
- Taught one-to-one instruction for students based on their individual learning needs
- Implemented Lindamood-Bell's training to develop a symbol-imagery basis of reading and comprehension in students

VOLUNTEER EXPERIENCE

Fordham University Sustainability Committee *Initiative Leader* Bronx, NY September 2017 – May 2018

- Led the initiative to create eco-representatives in dorms and successfully saw to its fulfillment
- Helped kick-start the long term initiative to have Fordham divest from fossil fuels
- Educated members of Fordham's campus about recycling, sustainable resources, and environmental justice

Fordham Women's Empowerment *Treasurer* Bronx, NY November 2014 – May 2018

- Created/facilitated weekly general meetings about topics relating to women's and various other social issues
- Coordinated with other clubs and professors to host guest speakers and co-sponsor events with our club
- Created and applied for club budgets, distributed and handled club funds

Fordham Global Outreach *Volunteer* Saratoga Springs, NY March 2017

- Lived and worked at the Ndakinna Education Center in the Adirondack region of New York
- Learned about Indigenous culture, language, and oral/natural history
- Assisted in environmental stewardship projects for local businesses and nonprofits in the area

CERTIFICATIONS

First Aid and CPR/AED Certification

August 2019

American Heart Association/National Park Service

Motorboat Operator's Certification Course

July 2019

National Park Service

Python for Everybody Specialization

January 2019

UMichigan/Coursera

Relevant Courses: *Python Data Structures, Using Python to Access Web Data, Using Databases with Python, Capstone: Retrieving, Processing, and Visualizing Data with Python*