

Erin Harding

GIS Analyst/Data Scientist

Website: <https://erinhard.github.io/Leaflet-Webmapping/>

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Address: 58 School Street Lebanon, New Hampshire 03766

Skills

- Proficiency with using geospatial applications for data analysis: ArcGIS, QGIS, PostgreSQL, PgAdmin, and MapInfo Pro, experience Python, SQL and automating manual processes
- Proficient in Microsoft Office applications especially Excel, querying large databases using SQL scripting for metrics, using Beyond Compare and WinSCP for data quality analyses
- Experience and strong interests in web-based programming of GIS data using Javascript and HTML, LeafletJS, Mapbox and OpenLayers, and Geoserver to produce interactive webmaps
- Topographic surveying and water quality monitoring of streams, proficient in using water quality meters such as: Turbidity Meter, Conductivity Meter, Photometer, pH meter, handheld GPS
- Biomonitoring and fishing in Lake Ontario and the Niagara River, collecting GPS data, recording biological data, conducting topographic surveying, Electrofishing Certified, involvement with stocking trout with NYSDEC throughout Cattaraugus County

Work Experience

May 2019 - PRESENT

Pitney Bowes, White River Junction, Vermont - *Spatial Data Analyst*

- Using geospatial programs (mainly ArcGIS, MapInfo Pro, QGIS, PostGIS, & PgAdmin) to improve product quality, database maintenance, updating existing datasets based on new resources
- Creating choropleth maps to illustrate data coverage for products, creating metrics using PostgreSQL and Excel
- Analyzing large geospatial datasets and creating metric reports to find solutions to internal and external customer issues, data analytics, data quality assurance

July 2018 - May 2019

Pitney Bowes, White River Junction, Vermont - *Mapping Technician*

- Perform data quality assessments for topological completeness and correctness
- Actively contribute to the improvement of product quality by researching internal and external customer issues using GIS and SQL

Education

August 2013 - May 2017

S.U.N.Y at Buffalo, Buffalo, NY - *Bachelor of Science in Environmental Geosciences*

Environmental Modeling & Analysis with a minor in GIS/Geography. Strong interests in the biological and geophysical aspects of environmental systems with training in analytical and geospatial techniques, soil sciences and environmental engineering

- Senior Research Topic in Integrated Wetlands and Floodplains Management
- Member of the Women's Soccer Club

Research & Projects

- Integrated Wetlands and Floodplains Management (Spring 2017)
- Pre Adaptations of Purple Sea Urchins in the Eastern Boundary Upwelling Systems (Spring 2017)
- Stream Water Quality Indices (Fall 2016)
- Costs & Benefits of Cross-Fostering to Manipulate Offspring Sex in Tammar Wallabies (Spring 2016)

Prior Work Experience

May 2016 - September 2016

U.S. Fish & Wildlife Service, Basom, NY - *Summer Internship*

- Assisted members of the Great Lakes Restoration Group with biomonitoring Lake Sturgeon in the Niagara River and Lake Ontario
- Assisted members of the NYSDOT and the Nature Conservancy with data collection of GPS points of culvert locations, sediment characteristics, wildlife passability, and elevation data using topographical surveying equipment throughout Erie County, NY

May 2015 - December 2016

Rite Aid Pharmacy, Tonawanda, NY - *Pharmacy Technician*

- Helping customers purchase prescriptions and other convenience store items at the cash register
- Assisting with prescription filling, counting pharmaceutical pills, labeling bottles, stocking shelves

August 2017 - July 2018

The Grapevine Restaurant, Amherst, NY - *Waitress*

- Taking customers orders and delivering food and beverages
- Mixing beverages, preparing salads and desserts

August 2017 - July 2018

Faery's Landscaping & Nursery, Ransomville, NY - *Gardener*

- Daily watering and weeding of plants, knowledge of Northeastern U.S. common plants, gardening, assisting customers, knowledge of plant biology and best horticulture practices