

**Fiona C. Dubay** · [fionadubay@gmail.com](mailto:fionadubay@gmail.com) · (503) 984-7617 ·

Portfolio of GIS projects and environmental science research - [fionadubay.com](http://fionadubay.com)

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## RECENT EXPERIENCE

### CivilGrid

Remote

#### Data Research Specialist

May 2024 - August 2024

- Interpreted maps, as-built drawings, and engineering plans at a basic level
- Researched utility operations, public works assets, and asset management plans
- Digitized utility maps in ArcGIS Pro
- Communicated directly with public works offices and utility asset owners over email and phone

### Agerpoint

Remote

#### Geospatial Data Intern

May 2024 - August 2024

- Ingested and processed numerous data types based on Standard Operating Procedures (SOPs)
- Assisted in machine learning model training by providing feedback to machine learning/AI development teams on model performance
- Organized and maintained data storage according to client account requirements and standards

### NYC's Climate Vulnerability, Impact, and Adaptation Analysis (VIA)

New York City, NY

#### Student Intern

September 2023 - December 2023

- Created digital maps and visualizations using QGIS software for publication on flood exposure and risk in New York City
- Processed spatial data and databases in vector and raster formats for clear visualization in QGIS
- Communicated and collaborated with other scientists and specialists on the task team
- Assessed the quality of 311 data for analysis and visualization usage

### NYC's Panel on Climate Change (NPCC) & VIA

New York City, NY

#### Summer Fellow

June 2023 - August 2023

- Crafted visualizations on flood exposure in NYC for publication in the NPCC's first chapter specifically focused on flooding
- Sorted and cleaned open-source data from NYC OpenData's site for analysis use
- Handled and refined large, detailed, spatial data files through QGIS
- Utilized Python for cleaning, refining, and visualizing rainfall and tide gauge datasets

## EDUCATION

**Sarah Lawrence College** | Bachelor of Arts | *Cumulative GPA: 3.93*

Bronxville, NY | May 2024

Honors: Edward Cogan Prize for Science and Mathematics, Gaylord Donnelley Family Science Scholarship

Relevant Coursework: Environmental Data, Geospatial Data Analysis, Pollution, Watersheds, Microbiology

## TECHNICAL SKILLS

Geospatial Analysis: QGIS, ArcGIS Pro

Data Analysis: Python (NumPy, Pandas, geopandas), R

Visualization: Python (matplotlib, seaborn), QGIS, ArcGIS Pro

Additional: CPR & First Aid Certification

## NONTECHNICAL SKILLS

- Independent problem solving

- Confident oral/written communication

- Organization of data

- Creativity, innovation, and adaptation

## ADDITIONAL EXPERIENCE

Sarah Lawrence Summer Research Program | Environmental Science Intern

2021, 2022

Sarah Lawrence College SciMath Dept. | Environmental Data & Microbiology Tutor

Jan 2024 - May 2024

Sarah Lawrence College IT Department | IT Help Desk Assistant

Jan 2024 - May 2024

Sarah Lawrence College Library | Shift Supervisor & Assistant

September 2022 - May 2023

Sarah Lawrence College | Campus Van Driver

Intermittent | 2021-2024

Annie Bloom's Bookstore | Clerk

Seasonal | 2017-2021

## Volunteering

MESD Oregon Outdoor School  
Student Leader | 600 hrs | 2017-19

## Interests

Viola, knitting/crocheting, citizen science, outdoor education, entomology