

# Fiona C. Dubay

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## EDUCATION

### Sarah Lawrence College

Bronxville, NY

Bachelor of Arts; Cumulative GPA: 3.69

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

## RECENT EXPERIENCE

### Agerpoint

Remote

#### Geospatial Data Intern

May 2024 - August 2024

- Ingest and process numerous data types based on Standard Operating Procedures (SOPs)
- Assist in machine learning model training by providing feedback to machine learning/AI development teams on model performance
- Categorize and analyze data quality issues
- Organize and maintain 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

## ADDITIONAL EXPERIENCE

Sarah Lawrence Summer Research Program - Environmental Science Intern

2021, 2022

Sarah Lawrence College SciMath Peer Tutor - Environmental Data & Microbiology

Jan 2024 - May 2024

Sarah Lawrence College IT Department - Help Desk Assistant

Jan 2024 - May 2024

Sarah Lawrence College Library - Shift Supervisor & Assistant

September 2022 - May 2023

## VOLUNTEER EXPERIENCE

### MESD Outdoor School

Corbett, Oregon

Student Leader

600 hours, 2017-2019

## SKILLS

**Technical:** Data analysis and visualization, Python, R, QGIS, CPR & First Aid Certification

**Non-technical:** Strong research and organizational skills, independent problem solving, confident oral/written communication

**Interests:** Viola, knitting and fiber arts, citizen science, outdoor education, entomology