

Kyra Hoffman

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EDUCATION

Vassar College, Poughkeepsie, NY
Bachelor of Arts in Environmental Studies

May 2024

- GPA: 3.77/4.00
- Biogeochemistry, Hydrogeology, Spatial Analysis with GIS, Environmental Science, Cartography

University of Edinburgh, Edinburgh, Scotland

Dec. 2022

- Data Science in Ecology and Environmental Studies

PROFESSIONAL EXPERIENCE

Sustainability Education Fellow, Office of Sustainability, Vassar College

Jul. 2024 – Present

- Collected and visualized campus sustainability data for use in classes, student projects, and research and by the Office of Sustainability
- Assisted the Director of Sustainability in mentoring sustainability interns working on campus focused projects (waste audits, mapping, energy metering, etc.).
- Served as the laboratory assistant for Introduction Environmental Science and help facilitate final projects.
- Developed and maintained the campus sustainability map through ArcGIS.

Invasive Species Mgmt. Intern, The Preserve at Vassar, Vassar College

Jan. – May. 2024

- Administered land management procedures, including clearing invasive species, breaking beaver dams, and propagating native plants
- Digitized tree gapping through ArcGIS and analyzed tree density change over time

Research Asst., Envir. Research Institute, Vassar College

Jun. 2023 – Present

- Conducted multi-hour benthic chamber and solute tracing experiments in the field, collecting water samples and using a YSI instrument
- Tested ion levels in water samples through an ion chromatograph
- Completed a literature review of beaver wetland hydrology
- Compiled conclusions in a poster presentation and presented work at a conference

Research Asst., Undergraduate Research Summer Institute, Vassar College

May. – Jul. 2022

- Trained on and proficient in the use of GIS and GPS in fieldwork
- Georeferenced historic maps to mark locations of buildings affected by the creation of the NYC water system
- Compiled large amounts of data to support research and developed a 3D model of a reservoir
- Developed final report communicating research and key resident histories

Research Asst., Earth Science Dept., Vassar College

Jan. – May. 2022

- Completed spectrophotometry on a series of lake water samples, examining nutrient levels.
- Finished a report on findings of nutrient pollution and made recommendations about further steps for remediation

SKILLS

Certifications: Coding in R

Platforms: Google Workspace (Advanced), Office 365 (Advanced), ArcGIS (Proficient), QGIS (Proficient), Adobe Suites (Proficient)