

# Andy Atallah

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## EDUCATION

**University of Massachusetts Amherst**, Amherst, MA

*Candidate for a Master of Science in Geographic Information Science and Technology* Summer 2025

- **GPA:** 4.00/4.00

**Middlebury College**, Middlebury, VT

*Recipient of a Bachelor of Arts in Conservation Biology* May 2024

- **GPA:** 3.97/4.00
- **Honors:** Phi Beta Kappa; summa cum laude; Eagle Scout (awarded 2019)
- **Sample Course Work:** Open GIScience, Cartography, Conservation Planning, Human Geography with GIS, Mapping Global Environmental Change, Population Geography, Biostatistics, Statistical Learning
- **Academic Positions:** Research Assistant in the Allen Lab (May 2024; Fall 2023); Teaching Assistant for BIOL 140: Ecology and Evolution (Spring 2024; Spring 2023)

## EXPERIENCE

**University of Massachusetts Amherst** – Amherst, MA

January 2025 – Present

*Graduate Research Assistant*

- Develop a web-based blue carbon viewer for Massachusetts salt marshes using ArcGIS Pro and ArcGIS Online; work conducted for Brian Yellen, MA State Geologist

**UMass Clean Energy Extension** – Amherst, MA

September 2024 – Present

*Graduate Research Assistant*

- Provide technical support for the Regional Wildlife Science Collaborative for Offshore Wind (RWSC)'s Bird & Bat Subcommittee, including literature reviews and data compilation

**Charles River Watershed Association** – Boston, MA

Summer 2024; Summer 2023

*Watershed Restoration Intern – Summer 2024*

- Created and edited maps using ArcGIS Pro and ArcGIS Online
- Researched sources on invasive plant species identification and management and continued to develop public-facing resources to share among partner organizations

*Data Communication Intern – Summer 2023*

- Created materials on invasive plant species management and identification
- Assisted staff in outreach tasks to engage with community groups and residents

**Breakthrough Strategies and Solutions** – Remote

March 2023 – July 2023

*Ecological Restoration Intern*

- Researched case studies of successful ecological restoration across a variety of ecosystem types and locations and composed summaries describing their context in the scientific literature
- Created an ArcGIS StoryMap with an embedded map to visually represent 19 case studies

**Town of Needham, Massachusetts** – Needham, MA

Summer 2022

*Intern to Support the Climate Action Plan Committee*

- Assisted the nine-member Committee through research on environmental issues
- Interviewed sustainability personnel in four municipalities deemed similar to Needham
- Completed a report outlining the feasibility of siting solar panels in a particular area of town

## SKILLS AND ACTIVITIES

- **Computer Skills:** Experience with GIS in ArcGIS Pro/Online, Google Earth Engine, QGIS, R, Python, and SQL (PostGIS). Experience with FME, R (data analysis packages), Google Suite, and Microsoft Office.
- **Student Organizations:** Soil and Water Conservation Society (President; UMass Amherst Chapter); Sunday Night Environmental Group, MiddRuns (Member; Middlebury College)