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EDUCATION

University of Massachusetts Amherst — Commonwealth Honors College   *May 2026*

- Bachelor of Arts Economics | Bachelor of Science Environmental Science
- GPA: 3.93 | Dean's List (All Semesters)

Relevant Coursework: • Risk Analysis • Introduction to GIS • Environmental Policy • Environmental Geochemistry • Natural Resource Economics • Public Finance • Ecosystems & Global Change • Environmental Health Practices

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ENGINEERING EXPERIENCE

Air Permitting Engineer Intern   *Summer 2025*

Massachusetts Department of Environmental Protection (MassDEP)   *Woburn, MA*

- Digitized and standardized 20 years of air permitting records to support regulatory compliance tracking
- Supported regulatory inspections and facility site visits at industrial facilities and wastewater treatment plants
- Assisted staff engineers with air quality compliance reviews and documentation management
- Developed working knowledge of air permitting workflows, state and federal regulations, and inter-agency coordination processes

Salt Marsh Research Assistant   *Summer 2025*

University of Massachusetts Amherst   *Amherst, MA*

- Analyzed environmental monitoring data using **R** and **QGIS** to assess hydrologic patterns across 350+ sensor deployments
- Automated time-series data cleaning and analysis to identify common high-tide events
- Applied statistical modeling to quantify relationships between elevation and inundation frequency
- Communicated analytical findings to research supervisors and collaborators

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ACADEMIC EXPERIENCE

GIS Project — Introduction to GIS (NRC 585) — *Amherst, MA*   *Fall 2023*

- Integrated 7 MassGIS vector and raster datasets including wetlands, soils, slope, hydrology, forest cover, and infrastructure
- Performed spatial operations including clipping, buffering, reclassification, rasterization, and raster algebra

Teaching Assistant — Introduction to GIS (NRC 585) — *Amherst, MA*   *Spring 2026*

- Assisted 30+ students with spatial analysis, raster processing, and GIS workflows during weekly lab sessions

Honors Thesis — UMass Amherst — *Amherst, MA*   *Fall 2025 - Spring 2026*

- Constructed a dataset of 70+ utility scale renewable energy projects using New York ORES database
- Ran linear regressions using R Studio to determine if variables affect permitting timelines

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TECHNICAL SKILLS

- **Data & Analysis:** R (linear regression, time-series analysis), Excel (data organization, charting), HTML (website design), GitHub (pushing/pulling in repositories)
- **GIS:** QGIS, ArcGIS Pro, spatial analysis, raster & vector processing
- **Professional:** Technical writing, regulatory documentation, data visualization