Adlai Nelson

Worcester, MA • (207) 350-0914 • adlai.nelson123@gmail.com
https://adlai-nelson.github.io/ • linkedin.com/in/adlai-nelson/

EDUCATION

Master of Science in Geographic Information Science (GIS), Expected **2025**
Clark University, Worcester MA, GPA: 4.0
Bachelor of Arts in Global Environmental Studies, 2024
Clark University, Worcester MA**,** GPA: 3.92. summa cum laude. High Honors

Coursework: Advanced Vector GIS, Geospatial with Python, Spatial Database Management

EXPERIENCE

Research Assistant   **January 2025– Present**
Clark Center for Geospatial Analytics, Worcester, MA
- Worked on a grant from the Moore Foundation to map aquaculture ponds and mangroves in costal areas.
- Coordinated with a team of 5 people to create land cover classifications.

Geospatial Coordinator Intern   **October 2024 – January 2025**
Trillion Trees, World Wildlife Fund (WWF-UK), Remote
- Supported the Forest Restoration Catalyst and Reforest Fund projects
- Integrated land cover, conservation potential, and remote sensing datasets into report.
- Used Google Earth Engine and Python to automate processing of geospatial data

Advanced Raster GIS Course Assistant   **August – December 2024**
Clark University, Graduate School of Geography, Worcester, MA
- Led lab sessions for 25 students enrolled in Advanced Raster GIS.
- Designed and graded weekly lab assignments on statistical analysis, empirical modeling, and time series analysis.

Urban Forestry Graduate Student Manager   **May – July 2024**
Clark University, Human-Environment Regional Observatory, Worcester MA
- Worked on a grant from the MA Department of Conservation and Recreation to monitor planted urban tree health in two Massachusetts cities.
- Created and maintained web map to oversee field data collection using ArcGIS Online.
- Managed day to day operations of field crews.
- Communicated findings to DCR officials, community organizers, and city partners.

SKILLS AND AWARDS

ESRI Software: ArcGIS Pro, ArcMap, ArcGIS Field Maps, ArcGIS Online
Other GIS: QGIS, TerrSet (IDRISI), GeoDa, Google Earth Engine, PostGIS
Coding Languages: Python, SQL, R, Javascript
Other Software: Microsoft Suite (Excel, Word, Outlook), Docker, Git

Awards and Honors:
Global Warming Mitigation Project Constellations Fellow **Fall 2024**
Clark University Global Environmental Studies Outstanding Student Award **2024**
NESTVAL Undergraduate Student Research Poster Award **2023**