

## OBJECTIVE

I am a grad student enrolled in the GIS Accelerated Masters Program at UW-Madison. I am currently seeking a full time position which will further my experience and put my computer science background and GIS skills to good use. I have experience working in teams and enjoy new challenges.

## TECHNICAL EXPERTISE

**Strong:** Javascript, Leaflet, Object Oriented Programming, Python, ArcMap

**Experienced:** Carto, C++, Java, Database Management (SQLite), ArcMap, QGIS, Artificial Intelligence, Human-Computer Interaction, Adobe Illustrator

## EDUCATION

**University of Wisconsin - Madison** GIS Accelerated Masters Program Fall 2018-Current

- Notable Classes: Interactive Cartography and Geovisualization, GIS Applications, Practicum in GIS Development

**University of Wisconsin - Madison** Special Student

Spring 2017

**University of Wisconsin - Madison** B.S. Computer Science, Math Certificate

2012-2016

- GPA: 3.628
- Notable Classes: Database Management Systems, Intro to Human-Computer Interaction, Sociology: Leadership Seminar

## ACADEMIC PROJECTS

**Green Urbanism** | <https://bit.ly/2U1X6Pm>

A paper exploring if a spatial correlation exists between access to green space and health

- Performed research on the subject examining similar studies
- Used Model Builder in ArcMap to streamline data processing
- Performed analysis using Moran's I and Hotspot Analysis in ArcMap
- Co-authored an academic paper on the findings

**Municipal Urban-Rural Classification** | <http://bit.ly/2QgRvT9>

An interactive map / web page created for the WI Office of Rural Health

- Worked directly with client to fulfill requests
- Created lookup functions to work with client's original data layer
- Included functionality to export lookup results

**Three Summer Days in Martha's Vineyard** | <http://bit.ly/2Cb241A>

A map meant to show off tourist locations in Martha's Vineyard

- Used generated hillshade from DEM as well as land cover data to create realistic terrain
- Adjusted coloring and shadows and added textures to terrain in Adobe Photoshop
- Designed and implemented map icons in Adobe Illustrator

## EXPERIENCE

**Geospatial Data Science Lab** | Member

Fall 2018-Current

- Performed data analysis on road extraction layers to determine connectivity
- Modified existing Python code to run an APLS metric

**State Cartographer's Office** | GIS Developer - Intern

April 2019-Current

- Worked directly with clients to create a web page for map visualization
- Gained experience managing multiple projects simultaneously
- Worked with Carto software to update SCO databases and visualize data in web applications
- Performed data processing using ArcPy