

# Shaam Adam

U-Spatial, University of Minnesota  
269 19<sup>th</sup> Avenue South, 420 Blegan Hall  
Minneapolis, MN 55455  
shaam@umn.edu

## Current Appointment

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**GIS Technician, U-Spatial, University of Minnesota**

**Aug. 2023-present**

## Previous Appointment

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**Research Assistant, Minnesota Design Center, University of Minnesota**

**June 2023 – Aug. 2023**

- Assisting the development of a localized Global Climate Geodesign Challenge.
  - Identify industrial and mining operations in Northern Minnesota to promote carbon stores and eliminate emissions.
  - Utilizing ArcGIS GeoPlanner to compile climate actions for local study areas.
  - Writing documentation for the International Geodesign Collaboration.
- Assisting with miscellaneous GIS projects.
  - Created demographic maps for relevant Design Center projects.

**Undergraduate Research Assistant, U-Spatial, University of Minnesota**

**Dec. 2022 – Aug. 2023**

- Assisting the development of Sustainable Development Goals for Minnesota.
  - Utilizing ArcGIS Online to develop web layers and working with HTML for the SDG Hub Site.
  - Cartographic design and mapping.
  - Researching and pulling data for the creation of web maps.
  - Dashboard creation for hosting data and web maps.
- Mapping of Central Indian colonial boundaries.
  - Georeferencing historical maps with current-day district maps of Central India.
  - Identifying current town boundaries with historical colonial boundaries.
- Mapping invasive Water Milfoil and maintenance of the map application
  - Updating the Milfoil point layer and adding unique genotype categories for each lake
- Miscellaneous projects that included Geocoding, data cleanup using Python, and other assignments.

**Student Tech Support, MN Geological Survey, University of Minnesota**

**Feb. 2022 – Dec. 2022**

- Responsible for handling, scanning, and entering historical geological data into the Minnesota state database.
- Responsible for creating digital versions of recent paper copies of geological logs.
- Using ArcMap to pinpoint well locations in Minnesota and to enter stratigraphic information to map Minnesota's geological history.

**GIS/GPS Technician Intern, Geographic Technologies Group**

**July 2022 – Sept. 2022**

- Organize and digitize Bloomington Parks using ArcGIS Online.
  - Building a dashboard for the City of Bloomington for city park asset management.
- Gathering and collecting park assets data using ArcGIS Field Maps.

## **Education**

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**Bachelor of Science: Geography, University of Minnesota**

**May 2023**

**Minor: Geographic Information Sciences, University of Minnesota**

## **Skills**

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- Proficiency in ArcGIS Online, ArcGIS Pro, Trimble Connect, Trimble TerraFlex, Microsoft Suit Products and Google Collaboration Products
- Intermediate in Notebooks, Python