

# Cora B. Johnson

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Please visit my portfolio at [corabjohnson.github.io/CoraBJohnson/](https://corabjohnson.github.io/CoraBJohnson/) to view some of my work.

## Education

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### University of Wisconsin-Madison

M.S. in Cartography and Geographic Information Systems, August 2023

### Earlham College, Richmond, IN

B.A. in Environmental Science & Geology, May 2019

## Technical Skills

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*Languages and Libraries:* JavaScript, Python, Java, SQL, HTML5, CSS, Leaflet, jQuery, Bootstrap, ESRI ArcGIS JavaScript API and SDK

*Databases:* PostgreSQL, PostGIS, PGAdmin, MongoDB, Microsoft Access

*Software Applications:* ESRI ArcGIS, QGIS, Adobe Illustrator, Microsoft Excel

*Code Versioning:* GitHub

## Professional and Educational Experience

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### University of Wisconsin GIS Professional Program

Master's Student

September 2021 to August 2023

- Designed and developed a culminating web mapping application
- Developed three web map and database applications in small team settings
- Completed degree courses in Geographic Information Systems and Web Map Programming

### Capital Area Regional Planning Commission, Madison, WI

February 2022 to August 2023

GIS Intern

- Built a 2022-1937 historical imagery-based forest patch inventory, analysis, and web application for the Mendota Yahara HUC-10 watershed as MS degree practicum project
- Created a regional Green Infrastructure Attachment Viewer
- Updated the Dane County Land Use Inventory for 2020
- Georectified 35 townships for the 1926 Dane County Township Map

### Wisconsin Emergency Management, Madison, WI

August 2020 to February 2022

GIS Analyst

- Collaborated with Hazard Mitigation team on mapping and planning projects
- Developed and published Wisconsin-specific National Risk Index maps
- Created a local plan hazard rankings database and maps
- Created ESRI StoryMaps about mitigation efforts in Gays Mills and Rock Springs
- Presented at Wisconsin Silver Jackets meeting and FEMA Region V conference

### Planning and Zoning Department, Jefferson County, MO

June 2019 to July 2020

Planner 1 / GIS Technician

- Researched and presented planning and zoning reports
- Maintained zoning layer for ArcGIS Online Property Viewer
- Produced static map products for county planning & zoning department