

Cora B. Johnson

Corabj827@gmail.com

630-488-6653 — <https://www.linkedin.com/in/cora-johnson/>

Please visit my portfolio at corabjohnson.github.io/CoraBJohnson/ to view some of my work.

Education

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

Languages and Libraries: JavaScript, Python, C#, ASP.NET, Entity Framework, Java, SQL, Leaflet, jQuery, Bootstrap, ESRI ArcGIS JavaScript API and SDK, HTML5, CSS

Databases: SQL Server Management Studio, PostgreSQL, PostGIS, PGAdmin, MongoDB

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

Code Versioning: GitHub

Professional and Educational Experience

Institute of Water Research, Michigan State University, Remote

GIS Programmer

March 2024 to Present

- Develop custom web applications with databases, dashboards, and technician interfaces
- Support department projects in a GIS specialist capacity via scripts and map products

University of Wisconsin GIS Professional Program

Master's Student

September 2021 to August 2023

- Designed and developed a culminating web mapping application using a variety of tools
- Developed three web map and database applications in small team settings
- Completed 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