Cora B. Johnson

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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, Java, SQL, HTML5, CSS, Leaflet, jQuery, Bootstrap, ESRI ArcGIS JavaScript API and SDK
Relational Databases: PostgreSQL, PostGIS, PGAdmin, Microsoft Access
Software Applications: ESRI ArcGIS, QGIS, Adobe Illustrator, Microsoft Excel
Code Versioning: GitHub

Professional and Educational Experience

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 present
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