Laura K. Smith

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GIS Professional

Education

University of Wisconsin - Madison
Masters in Cartography specializing in GIS and Web Map Programming

2021

Kansas State University
B.S. in Geography with a Secondary Major in Natural Resources & Environmental Sciences

2013

Skills & Software

Programming:
Python, CSS, Bootstrap, HTML, GDAL/OGR, D3, Java, JavaScript, SQL, PostgreSQL/PostGIS, ArcSDE, Fullstack Development

Geographic Software:
ArcMap, ArcPro, ArcOnline, CityEngine, QGIS, FME, PODS, Collector for ArcGIS, Trimble GPS Unit, Pahtfinder, Leaflet, Mapbox, Storymaps

Office Software:
Word, Excel, Powerpoint

Graphic Design:
Adobe Illustrator, Adobe Photoshop, Creative Cloud, Adobe Draw, Icon/logo Design, Fresco, Procreate

Work Experience

Cleveland County Commissioners,   3/2015 - Current
GIS Lead
• Developed the GIS program for the County Commissioner's office
• Lead the 2021 Cleveland County redistricting process
• Update the county website every four years
• Implemented Storymaps to communicate with public on topics from severe weather to bond issues
• Created data dictionaries for utility cataloging using Trimble GPS units
• Created digital record of county utility assets
• Analyze constituent calls to define patterns of need in the county
• Instruct and supervise data collection process for county workers
• Create and maintain geodatabases for current and historical utility information
• Facilitate emergency management tabletops for local municipalities
• Maintain data and collaborate with FEMA regarding natural disaster declarations
• Develop and maintain webmaps for constituent's use
• Flood plain management
• Developed web apps for data collection
• 3D render county developments using CityEngine
• Appointed as a sitting member to the NACo GIS Subcommittee

GDH Consulting,   3/2014 – 2/2015
GIS Tech
• Data entry and management
• Analyzed aerial imagery to plot path of gas pipelines
• Utilized PODS to maintain utility information
• Map creation

Vista Technical Services,   11/2013 - 3/2014
Environmental Data Specialist
• Created digital maps for the Environmental Restoration Department
• Database entry and management
• Analyzed historical documents in order to determine accuracy