

Colter J. Sikora, GISP

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Current Goal

To continue to expand and utilize my skills and experiences with Geographic Information Systems (GIS), web development, and Cartography to help an organization serve communities or clientele and achieve its goals.

Education and Certifications

GIS Certification Institute, (Des Plaines, IL), GISP Certification #91342, 8.2015

University of Wisconsin - Madison, (Madison, WI), Bachelor of Science, 5.2010

∞ Degrees in Cartography/GIS and Geography, with an emphasis on Fluvial Geomorphology.

Professional Experience

Broadband Mapping Coordinator (9.2013 – Present)

Public Service Commission of Wisconsin (PSC) (Madison, WI)

- ∞ Co-administer state broadband mapping and hosting responsibilities, including contractor transitioning efforts.
- ∞ Develop and explore methods and tools, including applications and software, to improve agency GIS capabilities.
- ∞ Analyze and relay technical broadband information in a layperson-friendly format for colleagues and the public.
- ∞ Supply general mapping products and support for water and energy-focused divisions of the agency as needed.
- ∞ Outreach to stakeholders for collaboration on projects to improve broadband resources, including data collections.

Freelance Cartographer, "Colterrific Maps" (5.2008 – Present)

- ∞ Perform GIS analysis and devise maps for paying customers and non-profit groups as a volunteer.

GIS Analyst (1.2011 – 9.2013)

St. Charles County Government, Department of Information Systems (St. Charles, MO)

- ∞ Built and maintained web-mapping applications and services for public viewing access to county GIS data.
- ∞ Edited countywide data while working within ArcSDE geodatabase parameters for interdepartmental projects.
- ∞ Contributed to short and long-term planning for use and improvement of GIS data sets and their dissemination.
- ∞ Designed maps and assisted county employees and the public in using county mapping data and apps.
- ∞ Updated the county website and performed other non-mapping tasks as needed, including SQL querying.

Geography Intern, National Geographic Magazine Page Maps (9.2010 – 12.2010)

National Geographic Society (Washington, DC)

- ∞ Collaborated with graphics editors to generate maps and graphics in a deadline-intensive news media setting.
- ∞ Produced reference maps for magazine articles under the direction of art and creative directors.
- ∞ Maintained a variety of files and databases, and researched story information to enhance print and web articles.

Mapping – Related Student Employment (5.2008 – 8.2010)

GIS Technician, Midwest Region GIS Technical Support Center, National Park Service (Madison, WI, now in Omaha, NE)

Cartographer, UW - Madison Cartography Lab (Madison, WI)

Biological Sciences Tech., Rydell and Glacial Ridge National Wildlife Refuges, U.S. Fish and Wildlife Service (Erskine, MN)

Mapping/GIS Intern, Rusk County Department of Economic Development (Ladysmith, WI)

Additional Work Experience

Jorns and Humphrey Halls House Fellow (8.2008 – 5.2009, 8.2009 – 8.2010)

UW - Madison College of Agriculture and Life Sciences (Madison, WI)

- ∞ Provided and maintained a sufficient living environment for as many as 160 residents, mostly college students.
- ∞ Supported University guests in their stay at the halls by collecting payments, and offering guest services.

Activities and Honors

- ∞ State Agency Geospatial Information Committee (SAGIC), PSC Voting Member (2013 – Present)
- ∞ Wisconsin Land Information Association (WLIA), Member (2012 – Present)
- ∞ Volunteer Cartographer, Doors Open Milwaukee, Historic Milwaukee, Inc. (2012 – Present)
- ∞ Best in the Web/Interactive Map (2013) and Thematic Map (2010) categories, WLIA Poster Contest
- ∞ Volunteer little league baseball coach, Cadott, WI and St. Charles, MO (2004 – 2008, 2011 – 2013)

Computer Skills

ArcGIS for Desktop 9-10.x (w/Spatial & Network Analyst & SDE), ArcGIS for Server 10.x, ArcGIS Online, Adobe CS 3-6, QGIS, ArcPad, ENVI 4.5, Python, IIS 7.x, AutoCAD, Erdas Imagine, Google Earth, & MS Office. Code with Javascript, CSS, HTML, & Flex while using Dreamweaver, Notepad, and other applications. Skilled w/GPS units, Mac/PC OS, CMSs, & plotters.

Please see my mapping portfolio at <http://colterrificmaps.wordpress.com/>, the St. Charles County Map Service, which I developed, at <http://map.sccmo.org/Main/>, as well at the Wisconsin Telecommuter Speed Map at <http://www.broadbandmap.wisconsin.gov/telecommuterspeed>. References and further work samples furnished upon request.