***Charlotte Peters***

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***Technical skills***

* **Mapping tools:** **Expert** with ArcMap, ArcCatalog, ArcGIS Pro, ArcGIS Story Maps, ESRI Community Analyst, Google Earth Engine, ENVI. **Skilled** with QGIS, R-Studio. **Familiar** with Orange3, MyPca, C2, ENVI, Fragstats, Circuitscape, Linkage Mapper, Marxan, Maxent, Python, Mapbox, Agisoft, Anaconda.
* Hardware: Trimble; Total Station.
* Graphics tools: Skilled with Illustrator, Photoshop.
* Productivity tools: Expert with Excel (pivot tables, HLOOKUP/VLOOKUP), Word, PowerPoint, Outlook, Publisher, Blackboard, Slack, Zoom.

***Experience***

**Community Development Educator** May 2023 – Present

***University of WI Madison – Division of Extension*** La Crosse, WI

* Work with community stakeholders, community members, and other agencies to assist on various projects including childcare, broadband, environmental issues, housing, and entrepreneurial growth.
* Create research and educational tools, guide strategic planning sessions with community groups
* Interpret data used to help inform policy

**GIS analyst** October 2019 – September 2020

***Continental Mapping Consultants (via Beacon Hill Staffing)*** Madison, WI

* Performed high-level analysis on satellite imagery (varying resolutions; urban, agricultural, and undeveloped areas; bodies of water) for National Geospatial Intelligence Agency.
* Used ArcMap, ArcCatalog, and proprietary analysis tools.
* Ensured compliance with agency standards. Updated classified database as needed.

**GIS analyst** October 2019 – September 2020

***La Crosse County*** La Crosse, WI

* Assembled demographic maps; illustrated property values for redistricting and community improvement projects. Used spatial, census, and tax assessment data.
* Mapped lab result data (nitrate levels in private wells). Contributed to water quality improvement plan.

**GIS specialist intern** June 2019 – August 2019

***University of Wisconsin Extension*** La Crosse, WI

* Compiled USGS data (soil types, water tables); enabled community map creation. Collaborated with county Health and Planning Departments.
* Presented findings (data, methodologies) to general audiences.

**GIS specialist intern** February 2019 – May 2019

***Mississippi Valley Conservancy*** La Crosse, WI

* Loaded maps into LANDSCAPE app for field use.
* Updated property maps in ArcGIS after yearly assessments (harvestable areas, improvements).
* Created soils maps and LIDAR maps; used pre-existing property maps and USDA and USGS data.
* Created property maps from legal descriptions.
* Converted ~350 properties in ArcCatalog, based on spreadsheets.

***Education***

**M.Sc. in Environmental Conservation: Informatics** August 2020

***University of Wisconsin – Madison*** Madison, WI

* Master’s project: Created Social Vulnerability Index for use by La Crosse County, Wisconsin, based on school enrollment boundaries rather than census block groups; enabled better understanding of community needs for 10-Year Plan. Used CDC guidelines and ArcGIS Community Analyst. (Advisor: Nathan Schulfer)

**B.Sc. in Geography** December 2018

***University of Wisconsin – La Crosse*** La Crosse, WI

* Minor: Ethnic and Racial Studies
* Research project: Collected sediment cores; prepared samples for internal and external testing (X-ray diffraction, magnetic susceptibility). Traced contamination plumes from abandoned mines via detection of heavy metals. (Advisor: Dr. Colin Belby)

***Personal skills***

* Problem-solving. Root cause analysis. Process improvement. Pattern recognition. Lateral thinking.
* Time management. Planning, scheduling, logistics.
* Prioritizing. Goal-setting. Multi-tasking. Results-oriented.
* Creative, innovative, imaginative.
* Analytical, logical, insightful.
* Delegating. Decision-making. Positive reinforcement, constructive criticism. Meeting management.
* Adaptable, flexible, trainable.
* Communication skills. Presentation. Clarity. Public speaking.
* Conflict resolution. Patient, tolerant, diplomatic.
* Strong work ethic. Responsible, disciplined. Self-starter.
* Cultural intelligence. Diversity awareness. Disability awareness.
* Work well under pressure. Crisis management.

***References available upon request***