

Ryan Teter
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Work and Volunteer Experience

U.S. Geological Survey Lakewood, CO January 2020-Present

Cartographer: Technical Point of Contact (GS-12, Step 1)

- Technical Point of Contact for the NHD, served as the Product Owner for the NHD Update Tool and Utilities Toolset.
- Worked within the Agile Development Framework to maintain and improve the NHD Update Tool based on user feedback. Planned, conducted, and validated software testing for multiple custom GIS tool used to manipulate NHD data.
- Handled problem jobs from user, including resolving difficult errors and providing feedback to users through email, phone calls, and screen sharing.
- Developed training materials and trained external and internal NHD Update Tool users.
- Developed outreach materials through Technical Exchange Meetings and other methods to provide external users with insight to using the NHD Update Tool in a more efficient manner.

U.S. Geological Survey Lakewood, CO November 2014-January 2020

Cartographer: NHD Editor (GS-11, Step 4)

- NHD Cartographic Generalization tool Product Owner, guided software development, improved workflows, and communicated with development teams, software testers, stakeholders, and business owners.
- NHD Production Operations lead for populating VisibilityFilter attribute, set objectives and advised management on prioritization.
- Implemented first Jira Board to NHD Production Operations to support VisibilityFilter population.
- Awarded Quality Step Increase and Certificate of Recognition Star Award in 2018.
- Provided technical training, demonstrations, and presentations on the VisibilityFilter and the Agile Development Process to various groups throughout the USGS, as well as professional conferences and university classes.
- Created easily understood documentation, including user guides, test plans, and metadata.
- Participated in the USGS Mentorship Program (2018); gained valuable insight from senior leaders.
- Experience with the following to improve the NHD: Network Improvement, NHD Plus HR Validation, Hydro Image Integration, Compare and Mark Up Tools.

Metropolitan State University of Denver Denver, CO October 2013-May 2014

GIS Research Assistant

- Advised climatologists and meteorologists in GIS capabilities for researching avalanches.
- Created maps and performed raster analysis for research site selection.
- Performed a literature review investigating avalanche GIS modeling using remotely sensed data.

City and County of Broomfield Broomfield, CO April 2013-June 2013

Geographic Information Systems Intern (Volunteer)

- Performed basic editing on features using overhead imagery.
- Georectified floor-plans to overhead imagery for police use.
- Collected, corrected and preformed quality control check on manhole cover GPS data.

Education

University of Wisconsin at Madison Online Summer 2022 (Anticipated)

Master of Science

- Cartography- Web Mapping and GIS Development

Metropolitan State University of Denver Denver, CO May 2014

Bachelor of Science

- Land Use with a Concentration in GIS and Environmental Science Area of Interest

Red Rocks Community College Associate of Arts

- Psychology

Lakewood, CO December 2011

Associate of General Studies

- Outdoor Education

Classes

- Introduction to GIS
- Introduction to Statistics
- Remote Sensing
- Cartography
- Global Positioning Systems
- Spatial Modeling in Raster
- Spatial Databases
- Water Resources
- Satellite Image Processing and Analysis
- Introduction to Python Seminar
- Automating Processes with Python
- Introduction to Geocomputing
- Introduction to Workflow Manager
- NGA Intermediate GIS for Analysis
- Leadership for Non-Managers
- Project Management for Non-Project Managers
- US Army Advanced Leader Course
- US Army Senior Leader Course
- FEMA IS-00100.c, IS-00200.c, IS-00700.b, IS-00800.c, IS-00075

Certifications

- Certified Scrum Master (2020)
- Certified Scrum Product Owner (Currently Expired)

Technologic Skills

GIS Software: ArcGIS 10-10.5.1, ArcPro 2.2.4, ArcWorkflow Manager, Spyder

Additional Skills: Python, Jira, ENVI, and R

Conferences & Presentations

- American Water Resources Associations 2018 Spring Conference GIS & Water Resources X
 - Presented the “Cartographic Generalization Tool and VisibilityFilter”
 - Co-Presented “NHD Editing”
- USGS Presentations
 - USGS/ESRI Dynamic Mapping Work Group (January 2020)
 - NGTOC Need to know (April 2018)
 - Agile for NHD (February 2018)
 - Transportation, Structures, and Boundaries Section Meeting (May 2017)
- University of Colorado
 - Visibility Filter Presentation (2018)
- Metropolitan State University of Denver Undergraduate Research Conference
 - Presented “Visualizing the Spatial Extent of Avalanche Problems in Popular Backcountry Recreation Areas” (2nd Place- Earth and Atmospheric Sciences Presentation) (2014)
- Colorado Snow Avalanche Workshop (2015, 2017, 2018, and 2019)

Professional Societies

- GIS Colorado
- Urban and Regional Information Systems Association
- Geographic Information Systems Certification Institute (Pursuing GIS Professional Certification)