

DYLAN HARWELL

GIS DEVELOPER

(505) 690-0343

harwelld@hotmail.com

Portland, Oregon

linkedin.com/in/dylan-harwell



EDUCATION

M.S. Cartography & GIS Development

University of Wisconsin Madison
2019 – 2022

Graduate GIS Certificate

University of Denver
2016 – 2018

B.S. Applied Physics

University of Colorado Denver
2009 - 2014

SKILLS

PROFESSIONAL

Organization
Optimization
Problem Solving
Teamwork

TECHNICAL

ESRI ArcGIS Suite
SQL Server, PostgreSQL
Git/GitHub
Web Development
Automation
UI/UX Design

ORGANIZATIONS

NWGIS User Group

nwgis.org

GIS Colorado

giscolorado.org

INTERESTS

Traveling
Climbing
Mountaineering
Astronomy

PROFILE

Well-rounded geospatial and cartographic professional that enjoys spatial analysis, solving problems with code, and creating beautiful maps and web applications. Enjoys working directly with customers to meet business needs and produce high-quality custom solutions. Seeking a position to enrich and challenge my technical skillset while adding value to a creative team of professionals.

WORK EXPERIENCE

GIS Developer

USDA EAS, AcelInfo Solutions | August 2020 - Present

- Forest Service's Automated Flight Following (AFF) application: Full-stack developer work - database maintenance, design, migration, application bug fixes, feature enhancements, and UI/UX design.
- National Interagency Fire Center: GIS developer work - designing and supporting mobile field collection apps, data processing scripts, and web services for Fire Enterprise Geospatial Portal.
- Natural Resources Conservation Service: GIS developer work - creating and maintaining web services and Portal applications, re-designing a legacy Silverlight application into the ESRI software environment.

GIS Programmer/Analyst

Resource Data, Inc. | August 2019 – July 2020

- Developed custom mobile GIS solution for a forestry asset management company that included SDE database design, Collector and Survey123 mobile applications, and a variety of custom back-end scripts for data integration with existing software.
- Software support on company's internal Intranet .NET application including bug fixes, enhancements, database procedures, and UI/UX improvements.
- Provided GIS expertise for new project proposals.

GIS Technician

City of Grand Junction | August 2018 – August 2019

- Maintained sanitary sewer and storm sewer infrastructure datasets - input data from Engineering Plans, QA/QC existing data, make corrections from field.
- Spatial analysis work with City Fire Department for resource allocation, planning, and community publications.
- Maintain web services for City GIS Portal applications and mobile applications.
- Automate database maintenance tasks, GIS server tasks, create custom Python tools.

GIS Student Contractor

USGS Central Energy Resources Science Center | July 2017 – July 2018

- Automated data management tasks with Python and Tkinter.
- QA/QC legacy spatial datasets and made corrections.
- Created and updated metadata following FGDC standards.
- Attended IHS Enerdeq and Drupal Content Manager trainings.
- Created U.S. Historic Oil and Gas production datasets and maps for publication.
- Prepared spatial database for Little Snake River Coal Field and Red Desert Assessment data release.