

DANIEL FEWELL

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QUALIFICATIONS

GIS Technician with 3+ years of experience in cartography, LiDAR processing, and satellite imagery feature extraction. Proficient in ArcGIS Pro, MicroStation, TerraScan, and PLS-CADD, with a strong record of delivering accurate geospatial data across large-scale utility projects.

EXPERIENCE

NV5 GEOSPATIAL (CONTRACTOR VIA VANDERHOEWEN) Portland, OR (Remote)
GIS Technician May 2023 - Mar 2026

- Extracted vector features of buildings, public spaces, and road edges from satellite imagery along 13,000 miles of gas utility ROW using ArcGIS Pro.
- Supported analysts and team leaders in LAS point cloud QA/QC processes, ensuring data integrity and accuracy on over 24,000 miles of electrical utility corridor.
- Executed LiDAR classification scripts utilizing vectors and LAS points to determine vegetation threats to electrical utility structures. Inspected outputs for quality and edited noisy data using Bentley MicroStation with the TerraScan module.
- Modeled and updated over 2,000 miles of overhead transmission lines in PLS-CADD, leading to higher precision in LAS point classification outputs.
- Maintained accurate processing and production sheets in Excel to support team workflows.

SNOHOMISH COUNTY Everett, WA
GIS Intern for Department of Emergency Management Mar 2022 - Jun 2022

- Reviewed and updated utility infrastructure data with ArcGIS Pro, leading to a 100% accuracy and completion rate for a set of six facility subtypes in the county's database.
- Identified five new sources of geospatial data and created an efficient process for future data updates. Produced clear and concise documentation to be utilized by future employees.
- Created a new database for critical infrastructure with a unique, structured ID allowing for quick identification of type and relative location within the county.
- Designed and published 18 high quality maps in ArcGIS Pro, leading to improved emergency response planning and decision-making by county officials.
- Conducted seven site visits to confirm location and status of unverified facilities.

EDUCATION

UNIVERSITY OF WASHINGTON, College of Arts and Sciences Seattle, WA
Bachelor of Arts in Geography / Minor in Informatics 2022

KNOWLEDGE AREAS

Technical Skills

Remote Sensing · Cartographic Principles · Database Management · Spatial Analysis
CAD Modeling · Statistics and Data Science

Software and Programming

ArcGIS Pro · ArcGIS Online · Bentley MicroStation · TerraSolid/TerraScan · PLS-CADD
PostgreSQL · PostGIS · Python · JSON · Microsoft Office Suite · Adobe Illustrator · SQL