



# Arlette Luke

## Geographer

Dedicated Geographer with a year of experience in spatial analysis, GIS, and cartography, adept at conducting research, analyzing data, and creating visual representations of geographical information. Proficient in utilizing GIS software to develop maps and reports, and skilled in working collaboratively on diverse projects. Highly organized and detail-oriented, with a strong academic foundation in geography and a passion for exploring innovative solutions to geographical challenges.

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## Education

### Bachelor of Science in Geography at Montana State University, Bozeman, MT

Aug 2017 - May 2022

Relevant Coursework:  
Geographic Information  
Systems, Remote Sensing,  
Cartography, Geomorphology,  
Climatology, Urban Geography,  
Environmental Geography,  
Spatial Analysis, and Regional  
Planning.

## Links

[linkedin.com/in/arletteluke](https://www.linkedin.com/in/arletteluke)

## Skills

Cartography



Remote Sensing



Geographic Information  
Systems (GIS)



Spatial Analysis



Geostatistics



Geomorphology



Climatology



## Employment History

### Geographer at Montana Geographic, MT

Apr 2023 - Present

- Successfully conducted a comprehensive land use analysis of over 10,000 square miles in Montana, leading to the identification of optimal locations for sustainable development and natural resource conservation.
- Developed and implemented an innovative geographic information system (GIS) model that improved the accuracy of flood risk assessment for 200+ communities in Montana, resulting in a 30% reduction in flood insurance claims.
- Led a team of geographers in a large-scale mapping project that accurately updated and digitized over 5,000 miles of trails and recreational areas in Montana, enhancing outdoor experiences for millions of visitors annually.
- Collaborated with state and federal agencies to conduct a detailed population and demographic study of Montana's 56 counties, providing valuable insights for decision-makers on public policy and resource allocation.

### Assistant Geographer at Geographic Surveyors of Montana, MT

Sep 2022 - Mar 2023

- Successfully completed a comprehensive land survey of over 2,500 acres of Montana terrain, resulting in accurate and up-to-date geographical data for the state's land management database.
- Streamlined the Geographic Surveyors of Montana's mapping process by integrating advanced GIS technologies, leading to a 30% increase in efficiency and reducing project completion times by an average of two weeks.
- Collaborated with a team of geographers and cartographers to create a detailed and interactive web-based map of Montana's natural resources, which has been accessed by over 10,000 users and utilized by various government agencies for resource management and conservation efforts.

## Certificates

### Geographic Information Systems Professional (GISP)

Apr 2022

### Certified Geospatial Analyst (CGA)

Jun 2020