

Amy L. Gilliland

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EDUCATION

Central Washington University, MS	<i>Advisor:</i> Dr. Audrey Huerta <i>Thesis:</i> Temporal constraints of tectonic events in the Southern Transantarctic Mountains, Antarctica from geomorphic analysis	2025
Central Washington University, BS	<i>Major:</i> Geological Science	2018
Olympic College, AA	<i>Associates in Arts</i>	2015

PROFESSIONAL EXPERIENCE

Data Support Specialist/Associate Scientist II National Snow and Ice Data Center	2021-present
Assistant Mapping Geologist Washington Geologic Survey	2020-2021
Graduate Teaching Assistant Central Washington University	2018-2020
Renewable Energy Intern Puget Sound Energy	2018

AWARDS AND SCHOLARSHIPS

Cloud publication effort recognition, <i>NSIDC "STAR"</i>	2024
User Working Group support volunteer, <i>NSIDC "STAR"</i>	2024
Data reprocessing effort, <i>NSIDC "STAR"</i>	2023
User Working Group support volunteer, <i>NSIDC "STAR"</i>	2023
Outstanding Teaching Assistant, <i>Central Washington University Geology Department Awards</i>	2020
Outstanding Poster Presentation, <i>Central Washington University Research Symposium SOURCE</i>	2018
Grapeview Community Scholarship, <i>Grapeview Community Association</i>	2015

PROFESSIONAL TRAININGS

AWS Certified Cloud Practitioner (CLF-C01) Cert Prep: 1 Cloud Concepts, LinkedIn Learning	In progress
Project Management for the Unofficial Project Manager, Franklin Covey	2025
Faculty Diversity Search and Hiring Committee Guidance Course, University of Colorado Boulder	2024
Implicit Bias Course, University of Colorado Boulder	2023

LEADERSHIP & SERVICE

NSIDC Open Science Working Group, <i>Member</i>	2023-present
Hiring Committee NSIDC DAAC Product Team Lead, <i>Member</i>	2024
Hiring Committee NSIDC Data Management Specialist, <i>Member</i>	2024
Hiring Subcommittee NSIDC Technical Services Manager, <i>Member</i>	2023
Hiring Committee CWU Geology Department, <i>Member</i>	2019
CWU Geology Club, <i>President</i>	2017-18
Association of Environmental & Engineering Geologists, <i>Member</i>	2017-19

DEMONSTRATED SKILLS

GIS & Remote Sensing	ArcGIS (ArcPro, Collector, ArcMap, ArcCatalog), QGIS, Panoply, HDFView
Scientific Programing	Python, R, MATLAB, Unix/Linux, Wget
Collaboration & Communication	Git, GitHub, Adobe Illustrator, Microsoft Office
Project Management Tools	Jira, Trello

PRESENTATIONS AND PUBLICATIONS

Amy L. Gilliland. “Supporting SMAP Data’s Transition to the Cloud at the NASA National Snow and Ice Data Center DAAC” American Geophysical Union (AGU). December 2024.

Sadowski, A. J.; **Gilliland, A. L.**; Anderson, M. L., 2021, Geologic map of the Colockum Pass SW and southern half of the Naneum Canyon 7.5-minute quadrangles, Kittitas County, Washington: Washington Geological Survey Map Series 2021-03, 1 sheet, scale 1:24,000, 23 p. text.

Amy L. Gilliland. “Geomorphometric Analysis of the Transantarctic Mountains” Geological Society of America Cordilleran. May 2019.

Amy L. Gilliland. “Quantitative Patterns in Glacially Modified Transatlantic Drainage Systems” Central Washington University’s Symposium of University Research and Creative Expression. May 2018.

Amy L. Gilliland. “Quantitative Geomorphic Analysis of the Transantarctic Drainage Systems” Murdock College Science Conference (Invited Presentation). November 2017.