Abby Rebecca Whelan

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arwhelan00.wixsite.com/website

She/her
Cartographer and Data Visualist

EXPERIENCE

Cartographer, Avalon Travel — *Oakland, CA.*

2023 - PRESENT

Static cartographic production for Moon Travel and Rick Steves products
Management and implementation of spatial and non-spatial datasets
Utilization of Avenza System's MAPublisher for georeferenced products

Student Cartographer and Data Visualist, InfoGraphics Lab — *Eugene, OR.*

2022 - 2023

Collaborated with multiple researchers to design and develop digital and print geospatial products
Collected, cleaned, and organized spatial and non-spatial datasets from a variety of sources
Utilized ArcGIS Pro for data management, digitization and analysis
Produced print publication maps and graphics using Adobe Creative Cloud
Created dynamic maps and maintained website accuracy and functionality
Developed page layouts for atlas production

Project Manager, William G. Loy Historical Geography Collection — *Eugene, OR.*

2022 - 2023

Managed production timelines and tasks
Recorded detailed metadata
Digitized historical transparencies of global landscapes

Freelance Cartography, Compass Commercial Asset and Property Management — *Bend, OR.*

2021 - 2022

Served as production manager
Collected and formatted data
Executed data visualization using Mapbox
Maintained and updated data and map products

SKILLS

Programming Languages

R, HTML, CSS, Python, Processing

Geospatial Analysis & Cartography

R, ArcGIS Pro, ArcGIS Online, Mapbox, Google Earth Engine, QGIS, MAPublisher

Design Software

Adobe Creative Cloud (Illustrator, Photoshop, InDesign), Processing

HONORS

Alumni Spotlight,
University of Oregon InfoGraphics Lab Newsletter, September 2023.

Honorary Mention, Bill Loy Award for Excellence in Cartography 2021. (for map Female Representation in the United States Federal Government).

Recipient, Trussell Family Scholarship 2021. (for map Female Representation in the United States Federal Government).

Dean's List, University of Oregon, 2019 - 2022.

EDUCATION

Bachelor of Science, University of Oregon — *Geography, Spatial Data Science*

DECEMBER 2022

PUBLICATIONS

Cross-scale analysis reveals interacting predictors of annual and perennial cover in Northern Great Basin rangelands — Ecological Applications

April 1, 2024

Cartographic and data visualization of eligible areas in the Northern Great Basin ecoregion to take soil samples. Designed in collaboration with Dr. Madelon Case at the United States Geological Survey (USGS)

Case, M. F., Davies, K. W., Boyd, C. S., Aoyama, L., Merson, J., Penkauskas, C., & Hallett, L. M. (2024). Cross-scale analysis reveals interacting predictors of annual and perennial cover in <scp>N</scp>orthern <scp>G</scp>reat <scp>B</scp>asin rangelands. In Ecological Applications (Vol. 34, Issue 4). Wiley. https://doi.org/10.1002/eap.2953

Ungulate Migrations in the Western United States. Volume 3 — United States Geological Survey

December 15, 2022

Cartographic visualization of migration routes in collaboration with the Corridor Mapping Team at the United States Geological Survey (USGS) and the University of Wyoming

Kauffman, M. J., Lowrey, B., Berg, J., Bergen, S., Brimeyer, D., Burke, P., Cufaude, T., Cain, J. W., Cole, J. A., Courtemanch, A. B., Cowardin, M., Cunningham, J. M., DeVivo, M. T., Diamond, J. R., Duvuvuei, O., Fattebert, J., Ennis, J., Finley, D., Fort, J. L., . . . Wolf, L. J. (2022). Ungulate migrations of the western United States, volume 3. Scientific Investigations Report. https://doi.org/10.3133/sir20225088

PRESENTATIONS

Carl, P., Roberts, L., & Whelan, A. (2022, May 26). Comparing and Contrasting Workflows and Data-Management for Digital and Analog Mapping Products [Slide presentation]. University of Oregon Undergraduate Research Symposium, Eugene, Oregon. https://undergradsymposium.uoregon.edu/sites/undergradsymposium1.uoregon.edu/files/2022-05/undergraduate-research-symposium-program-2022__.pdf.

SERVICE

Read Ahead, literary mentor since 2023.