Wylie Hampson

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EDUCATION

Master of Environmental Data Science (MEDS) 4.0 (June 2022)
Bren School of Environmental Science & Management – University of California, Santa Barbara
<u>Highlighted Coursework:</u> Scientific Programming Essentials; Analytical Workflows and Scientific Reproducibility; Meta-analysis and Systematic Reviews; Metadata Standards, and Data Modeling.

Bachelor of Science in Biology (August 2016)
University of Washington – Seattle, WA
<u>Focus:</u> Ecology, Evolution, and Conservation | <u>Minor:</u> Environmental Science and Resource Management

ENVIRONMENTAL DATA SCIENCE WORK EXPERIENCE

Data Visualization Developer/Data Scientist - Virga Labs, Remote (7/22 - 5/24)
● Communicating complex data centered around the Colorado River to stakeholders and the public.
● Engineering web applications built on a DMDU (decision making under deep uncertainty) framework.
● Producing intuitive and informative visualizations that accurately and honestly portray data.

ENVIRONMENTAL DATA SCIENCE PROJECTS

Colorado River Basin Post-2026 Operations Exploration Tool (2/23 - 5/24)
Role: Data Scientist | **Client:** Bureau of Reclamation (Virga Labs)
Assisted with front end RShiny app development as well as interactive data visualization design and implementation using ggplot2 and echarts4r to help Colorado River Stakeholders with River management.
RiverViz (1/23 - 5/24)
Role: Data Scientist | **Client:** Arizona State University (Virga Labs)
Performed data validation by reviewing API SQL queries and collaborated on data visualization development to give users insights about the future of the Colorado River.

ENVIRONMENTAL SCIENCE WORK EXPERIENCE

Trail Crew – Washington Conservation Corps (AmeriCorps), Sedro-Woolley, WA (10/19-9/20)
● Collaborated on a 6-person trail crew in Sedro-Woolley, WA.
● Built and maintained outdoor recreation trails and provided help for a variety of restoration and conservation projects for the State of Washington.

Boat Inspector – City of Bellingham Aquatic Invasive Species Team, Bellingham, WA (3/17-9/18)
● Prevented the spread of invasive freshwater mussels by conducting boat inspections.
● Monitored the lakes by measuring any change in invasive species populations from year to year.

Interp. Ranger – National Park Service Whitman Mission NHS, Walla Walla, WA (6/15-10/16)
● Educated visitors on the site's history as an interpretive park ranger.
● Presented educational talks and demonstrations in front of crowds of up to 30 people.
● Surveyed salmon on the Imnaha River in Oregon.

VOLUNTEER WORK

"Stuff The Bus" Lead Chair – Food Lifeline, Seattle, WA (1/15–4/15)
Organized food collection event ("Stuff the Bus"), over 20,000 meals and $2,500 raised for families in need.
Conservation Worker – New Zealand Dept. of Conservation, Pupu Rangi Nature Sanctuary, NZ (10/16-11/16)

SKILLS

<u>Technical:</u> R/RStudio, RShiny, Java, Python, SQL, GitHub, Microsoft Office (Word, Excel, PowerPoint), Zoom, Zotero, CSS, Figma, Miro, Google Earth Engine, Slack, Javascript, Shiny Golem, Jira, AWS, CloudFormation