Wylie Hampson

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EDUCATION

Master of Environmental Data Science (MEDS) (Expected June 2022)
Bren School of Environmental Science & Management – University of California, Santa Barbara
　　Highlighted Coursework: Scientific Programming Essentials; Analytical Workflows and Scientific
　　Reproducibility; Meta-analysis and Systematic Reviews; Metadata Standards, Data Modeling, and Data
　　Semantics; Machine Learning (all to be completed by 6/22)

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

ENVIRONMENTAL DATA SCIENCE PROJECTS

Understanding Climate Change's Impact on the Forest Ecosystem: Developing a Reproducible Machine Learning Approach to Ecohydrologic Model Outputs (1/22 – Present)
Role: Data Scientist | **Client:** Naomi Tague (Tague Team Lab, Bren School)
　　Building machine learning algorithms to interpret and visualize complex watershed data outputs from Tague
Team's Regional Hydro-Ecologic Simulation System (RHESSys) to gain insight on the effects of climate change.

ENVIRONMENT 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 up to 30 people.
- Surveyed salmon on the Imnaha River in Oregon.

Pathways Intern – US Army Corps of Engineers, Walla Walla District, Mill Creek Project (6/14-9/14)
- Maintained flood control systems to allow for fish passage.
- Introduced new species to combat invasive species.
- First point of contact for contractors.

VOLUNTEER WORK

"Stuff The Bus" 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.
Camp Councilor – Children's Home Society of Washington, Walla Walla, WA (6/11–9/11)
Over 200 hours at a summer learning camp for the children of migrant laborers, teaching reading and science.
Conservation Worker – New Zealand Dept. of Conservation, Pupu Rangi Nature Sanctuary, NZ (10/16-11/16)

SKILLS

Technical: R/RStudio, Java, Beginning Python, SQL, GitHub, Microsoft Office (Word, Excel, PowerPoint), Box, Zoom, Zotero