LAUREN HERWEHE KIM
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Experience

2017-Present **UNIVERSITY OF COLORADO, CIRES/EARTH LAB**   **BOULDER, CO**
Program Manager - Earth Analytics Education
Founding and managing one of the first earth data science higher education programs in the country
- Co-envisioned, received, and manage $1.2 million NSF grant aimed at creating sustainable data science education programs at five tribal, minority serving, and community colleges
- Developed, launched, and manage data science certificate program including owning student communication and administrative activities, reaching over 80 students since inception
- Create and implement marketing strategy and analytics processes to aid student recruitment, including assisting in increasing website traffic from 0 to 300K monthly visitors, leading $130K website redesign project, and bringing Twitter followers from 0 to 3,500
- Spearhead data science and career workshops that have reached 400+ people, bringing in 27 industry experts

2015-2017 **HYDROBIO, INC**   **DENVER, CO**
GIS/Remote Sensing Specialist; Operations Manager
Managed analytics and owned critical client touch points at global water conservation SaaS startup
- Interpreted satellite imagery using ArcGIS, QGIS, ENVI, and R to produce irrigation recommendations that stimulated company revenue, growth, and investor funding
- Designed marketing strategy which was a key factor in obtaining a $1.5 million investment
- Managed all HR activities including insurance, accounting, expenses, and employee travel

2012-2014 **UDALL CENTER FOR STUDIES IN PUBLIC POLICY**   **TUCSON, AZ; RECIFE, BRAZIL**
FLAS Fellow; Research Assistant for Dr. Chris Scott
Led water management study which involved executing research, analyzing results, and writing thesis
- Analyzed irrigation practices using interviews with 55 stakeholders in rural Brazil and geospatial software for a $300,000 project connecting partners in seven countries
- Disseminated results by authoring two peer reviewed publications
- Co-led conference on water-energy nexus in Chile, funded by the National Science Foundation

2011-2012 **THE FULBRIGHT PROGRAM**   **SHAARTUZ, TAJIKISTAN**
U.S. Student Scholar; Consultant to USAID and Mercy Corps
Spearheaded project analyzing donor-funded water programs in Tajikistan, interviewing over 100 Tajik farmers and government officials and writing two recommendation papers, sent to major aid groups

2011 **THE AMERICAN GEOSCIENCES INSTITUTE**   **ALEXANDRIA, VA**
Geosciences and Public Policy Intern
Executed interviews with Congressmen and scientists to create bimonthly newsletters for 50 member organizations and wrote an article on oil and gas published in *The Professional Geologist*

Education

2021-2026 (Expected) **UNIVERSITY OF COLORADO**   **BOULDER, CO**
- PhD Degree in Geography (currently pursuing part-time)
- Earth Data Analytics in Python Professional Graduate Certificate, completed in 2020

2012-2014 **UNIVERSITY OF ARIZONA**   **TUCSON, AZ**
- 4.0 GPA. Master's Degree in Geography; Funded by FLAS Fellowship, $40,000
- Thesis: "When it rains, it rains for everyone: Climate adaptation in northeast Brazil"

2007-2011 **PENN STATE UNIVERSITY SCHREYER HONORS COLLEGE**   **UNIVERSITY PARK, PA**
- 3.54 GPA. Bachelor of Science in Geosciences; Bachelor of Arts in Geography; Minors in African Studies & Science, Society, & Environment of Africa
- Selected by college Board of Directors out of 700 students to receive GEMS Diamond Award

Skills & Volunteer
- Proficient in Python, R, Git/GitHub, Adobe Suite, ArcGIS, ArcPy, QGIS, Portuguese, and Spanish
- Board of Directors of Sacred Heart House of Denver, a homeless shelter for women & children
- Certified whitewater raft guide and have guided on class III-IV rivers in Colorado and Australia