

GRACE BROFMAN

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EDUCATION

Master of Environmental Science and Management (Expected June 2021)

Water Resources Management Specialization | Environmental Data Science Focus

Bren School of Environmental Science & Management – University of California, Santa Barbara (UCSB)

Coursework: Water Policy, Groundwater Mgmt., Water Law, Advanced Data Analysis, GIS, NEPA, Water Finance

Bachelor of Arts in Geology (May 2013)

Colorado College, Colorado Springs, CO

WATER PROJECTS & FELLOWSHIPS

Scaling a Sustainable Finance Solution (3/20–Present)

Project Manager | Client: Sustainable Conservation | Deliverables: Report, Public Presentation, Financial Model

- Manage client, advisor, and outside contact communication, workflow, and group dynamics
- Research irrigation methods and identify opportunities for location-specific on-farm efficiency improvements
- Design hypothetical loan products to reduce groundwater and nitrogen inputs; model loan structures and performance-based financial incentives; translate monetary benefits from farmer borrower to lender

Sustainable Water Markets Fellowship Program (9/19–Present)

- Full tuition recruitment fellowship; participation in symposia, field trips, presentations and specialized coursework to explore how markets can be used to better manage water resources

EXPERIENCE

Water Research Contractor – American Rivers, Remote, (7/20–9/20)

- Researched the surface-groundwater relationship in the San Luis Valley, CO; developed an internal whitepaper outlining research outcomes and where American Rivers could provide added value in the region
- Collaborated with several The Nature Conservancy, Trout Unlimited, and other non-profits to identify development opportunities for durable water use reductions in the Colorado River Basin

Groundwater Researcher – Bren School of Environmental Science & Management (7/20–9/20)

- Compiled groundwater extraction data sets for all 50 states; corresponded daily with water managers
- Analyzed groundwater time series data using RStudio to correlate trends with pump installation rates

Wine Sustainability Researcher – Bren School of Environmental Science & Management (2/20–6/20)

- Researched aspects of wine sustainability including water quality impacts, carbon footprint, and certifications
- Collaborated with three advisors to adjust goals and vision throughout research and writing process

Outdoor Education & Ritt Kellogg Fund Coordinator – Colorado College, Colorado Springs, CO (8/15–5/17)

- Designed and led leadership and skills courses for participants in rafting, backcountry skiing, and backpacking
- Collaborated with Bureau of Land Management (BLM), National Park Service (NPS), and US Forest Service (USFS) to adhere to public land regulations and river-specific permitting for extended courses
- Oversaw Ritt Kellogg Program which distributed \$90,000+ in grants to 40 students/year; led marketing, logistics, and fund disbursement; programmed annual 2-day committee meeting to allocate awards

SKILLS & ADDITIONAL EXPERIENCE

Computer: R/RStudio, GitHub, ArcGIS, Microsoft and Google Suites, Canva

Volunteer: Bren Mentorship Program, Santa Barbara Foodbank

Language: Intermediate Spanish, Basic Thai

Tour Crew Member – Outstanding in the Field, Santa Cruz, CA (5/17–11/17, 5/19–8/19)

Cheesemonger – Cured, Boulder, CO (2/18–5/19)

WWOOFer – World Wide Opportunities on Organic Farms, CO, Israel, HI, (7/10–8/10; 6/16–7/16; 12/17–1/18)

Cellar Hand – Penner-Ash Wine Cellars, Newberg, OR (9/13–11/13)