

Shale Hunter

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Santa Barbara, CA

[GitHub](#)

EDUCATION

Master of Environmental Data Science (Anticipated June 2022)

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

Highlighted Coursework: Analytical Workflows & Scientific Reproducibility, Meta-Analysis & Systemic Reviews, Data Modeling & Data Semantics, Remote Sensing, Spatial Analysis

Bachelor of Science in Biology-Psychology (February 2020)

Bachelor of Arts in Chinese Language and Cultural Studies (February 2020)

Tufts University, Medford, MA

Honors & GPA: Dean's List (all semesters), Magna Cum Laude, GPA 3.71

Leadership: Tufts Mountain Club Aquatic Program Director, 2017-2018

HIGHLIGHTED EXPERIENCE

Ecological Monitoring Technician, Great Basin Institute, Las Vegas, NV (2/21 — 7/21)

- Collected Terrestrial AIM data in partnership with Nevada BLM and USGS, including: native, invasive, and rare plant identification of 300+ plants to species level, botanical diversity surveys and community mapping, plant pressing, use of dichotomous keys
- Performed daily, weekly, monthly, and seasonal Quality Assurance and Quality Control (QA/QC) tasks to ensure consistent data quality
- Excelled in unsupervised and semi-supervised work environments in the field

Ecological Monitoring Crew Member, Southwest Conservation Corps, Socorro, NM (5/20 — 11/20)

- Diligently followed field safety protocols, including COVID-19 protocols, to ensure the crew could continue work during a global pandemic.
- Identified ecological sites, soil texturing by hand, soil pit characterization, soil stability testing
- Performed spatial analysis with ArcGIS Online to identify, navigate to, and collect data at 72 field sites

Research Assistant, Lewis Biology Lab, Tufts University, Medford, MA (1/18 — 5/18)

- Assisted in experimental design and implementation investigating phenology of *Photuris* larvae, including both hands-on research methodology and Twitter-based large scale data collection
- Developed and executed a 5-month R-based pipeline of data exploration, scraping, wrangling, analysis, visualization, and presentation
- Collaborated as part of a small team to coordinate several projects in parallel across different timeframes and scopes of research

ADDITIONAL EXPERIENCE

Teaching Assistant, UCSB Art History Department, Santa Barbara, CA (9/21 — 12/21)

Instructor, Experimental College, Tufts University, Medford, MA (1/19 — 12/19)

Retail Staff, Hilton's Tent City, Cambridge, MA (5/19 — 8/19)

Assistant Manager, Outdoor Regear, Albuquerque, NM (5/18 — 8/18)

Retail Staff, Mammoth Mountaineering Supply, Mammoth Lakes, CA (5/17 — 8/17)

English Teacher, Xindu Number 1 Middle School, Chengdu, China (2/16 — 7/16)

Financial Journalist, Lafferty News, Westport, Ireland (8/15 — 2/16)

TECHNICAL SKILLS & CERTIFICATIONS

Technical: R, Python, SQL, GitHub (version control/collaboration), GIS, NCBI Research Database, Stata and SPSS Statistics Software

Language: Proficient in Mandarin Chinese, Intermediate Spanish (CLEP 52)

Certifications: UTV Trained and Certified, Wilderness First Aid Certification, AIARE Avalanche Rescue Certification