CAROLE-LYNNA (LYNNA) BENHAMOU

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Citizenship: France & USA

EDUCATION

The University of Texas at Austin, Jackson School of Geosciences May 2024
Bachelor of Science, Environmental Science (emphasis in geology)

- GPA 3.89, Valedictorian of Jackson School of Geosciences
- Relevant coursework: Landscape Ecology, Environmental GIS, Environmental Professionalism I & II
- Awarded President's Award for Global Learning – Galápagos Islands, EC

WORK EXPERIENCE

Idaho National Laboratory – *Ecology Intern;* Idaho Falls, ID, USA May 2024 – August 2024

- Managed a team, on a tight schedule, in developing and presenting a poster discussing changes in plant biodiversity by analyzing 10 years of gathered data
- Executed seedling survivorship surveys across an area of 170.6 ha to determine effective planting methods
- Led a crew of three interns 3-6 km off-trail to 20x20m plots to measure plant heights along transects, and quantify density of sagebrush
- Utilized ArcGIS to navigate to plots and collect data
- Identified plants and habitat community using a dichotomous key
- Performed quality control and assurance checks on collected data

Dell Technologies – *ESG Analyst;* Austin, TX, USA May 2023 – May 2024

- Respond to requests from clients about ESG related topics (i.e. emissions, diversity in the workplace, modern slavery)
- Distill 96-page ESG rater/ranker report into a short presentation
- Perform quality control on curriculum for high school students learning to repair Dell products
- Liaison between Global Energy Industries Vertical: research oil and gas companies' decarbonization programs

UT RecSports – *Program Assistant and Outdoor Trip Leader;* Austin, TX, USA January 2021 – May 2024

- Support full-time staff with planning and coordinating the Outdoor Adventure Trip Program
- Act as the liaison between trip participants and trip guides to ensure that trips run smoothly
- Plan and lead overnight trips for a diverse group of ~15 outdoor participants
- Teach outdoor skills, safety practices, and outdoor ethics (i.e. Leave no Trace principles)

Department of Marine Science – *Teaching Assistant*; the University of Texas at Austin January 2023 – May 2023

- Prepared and led a discussion section to allow students to deepen their understanding of the course content
- Assisted students during office hours outside of lecture time
- Maintained accuracy and consistency while grading course assignments and assessments in Canvas Learning Management System

Department of Integrative Biology – *Research Assistant*; Dr. Amy Wolf and Caroline Farrior February 2022 – May 2023

- Identified 12 plant species native to Central Texas to maintain specific biodiversity inclusion plots
- Surveyed reproductive and total height of plants in select plots of the experiment
- Maintained insect nets, weed cloth, and all other infrastructure applicable to the experiment

Reptile Conservation International – *Reptile Caretaker*; Austin, TX, USA July 2019 – August 2021

- Maintained turtle, tortoise, and koi fish habitats
- Monitored plants around the property to ensure they have a sufficient amount of water
- Removed 50-100 plants of an invasive species around the habitats every week

PROJECTS

Capstone Research Experience – Port Aransas, TX, USA September 2022 – December 2023

Students bring all their education & experience to bear on a research question that is of importance to them

- Studied how anoxic sediments effect the productivity of a salt marsh grass (*Spartina alterniflora)* in the Nueces Delta
- Collected data for the following variables: CO_2 uptake rate, stomatal conductance rate, redox, temperature, grain size composition, sediment ammonium, sediment C:N ratio, and leaf tissue C:N:P ratio
- Analyzed data using R and Python
- Summarized research results in a final report and presented poster at Coastal Estuarine Research Federation conference in Portland, OR

GEO 377K (Applied Karst Hydrogeology) – Independence Creek, TX, USA September 2022 – March 2023

- Developed a technical report for The Nature Conservancy to characterize a vital west Texas spring system
- Analyzed spring flow and water quality data using an acoustic doppler profiler and acoustic velocity meter
- Presented a poster at the Geological Society of America SE section conference

President's Award for Global Learning – *Head Researcher*; Galápagos Islands, EC January – December 2022

Students & faculty examine real-world interdisciplinary topics while incorporating in-country learning into the classroom

- Investigated value chain of water systems in the Galápagos through in-country experiences and global case studies
- Summarized research results in a technical report to make plans for an improved water system in the Galápagos
- Increased community awareness and engagement through a community-wide presentation while in-country

EVS 311 (Field Seminar in Sustainability) January – May 2021

- Developed a meteorological monitoring report on a suburban microplot in Pflugerville, TX using Excel
- Created a map from a bird's eye view using a compass, which included an elevation profile
- Analyzed canopy cover, soil moisture, precipitation, solar radiation, soil temperature and pH for 3 months

SKILLS

Technical /Computer Skills: Advanced Microsoft Suite; intermediate ESRI ArcGIS Pro, Python, and R; beginner Google Earth Engine and MATLAB

Languages: Advanced in French

Certifications: Wilderness First Responder (National Outdoor Leadership School; expires: January 2026)

HONORS AND AWARDS

- Distinguished Undergraduate Speaker 2024
- Susan and Mark Baletka Endowed Scholarship 2024
- John C. and Marian B. Maxwell Endowed Undergraduate Scholarship in Geological Sciences 2023
- Biodiversity Scholars 2023
- Jackson Scholars 2023
- President's Award for Global Learning – Galápagos Islands, EC 2022
- Bill and Theresa Kahlke Endowed Scholarship 2021-2022
- Venturing Leadership Award 2020
- Presidential Service Award – Gold Status 2016