

Lucy Weidner

Lucyweidner145@gmail.com

Education

Northwestern University	2017—2021
Bachelor of Arts <i>Expected 1st Class Degree with Honors</i>	
Dual major in Environmental Sciences and English Literature, with minor in Earth Sciences	
University of Edinburgh	2019-2020
Exchange Year Abroad - Physical Geography	
Wilson Memorial High School	2013—2017
Advanced Diploma GPA: 4.48 Class Rank: #2	
Shenandoah Valley Governor's School	2015—2017
STEM Program Diploma GPA: 4.48	

Research Experience

Senior Honors Thesis Project	2020-present
<ul style="list-style-type: none">• A reconstruction of the paleoenvironment and fire history of Vista Alegre, on the north coast of the Yucatan Peninsula• Includes charcoal and stable isotope analysis on three sediment push cores: weighing, drying, and processing hundreds of sediment samples	
Undergraduate Research Assistant Program, Northwestern University	2019—present
<ul style="list-style-type: none">• Survey development to measure the general public's acceptance of and awareness of the scientific literature supporting the health benefits of being in nature	
Research Assistant, Northwestern University, Earth & Planetary Science	Sum. 2019
<ul style="list-style-type: none">• Prepared hundreds of rock samples (~400) for stable isotope analysis	
Walking Green Project, Northwestern University, Anthropology	2018—2019
<ul style="list-style-type: none">• Used atlas.ti and STATA to analyze both quantitative and qualitative data relating to the effect of green and natural spaces on human psychology and physiology• Assisted in writing and editing manuscripts in academic research journals (listed below)	
Lab Intern, University of Virginia, Pathology Lab	2016—2017
<ul style="list-style-type: none">• Used siRNA testing and biosensor fret assays to study GRK4 proteins	

Publications

Koselka, EPD, **Weidner, LC**, Minasov, A, Berman, MG, Leonard, WR, Santoso, MV, de Brito, JN, Pope, ZC, Pereira, MA & Horton, TH (2019) 'Walking Green: Developing an evidence base for nature prescriptions', *International Journal of Environmental Research and Public Health* 16(22): 4338. <https://doi.org/10.3390/ijerph16224338>

Awards

Undergraduate Research Office Academic Year Grant (\$1,000)	Winter 2021
Monterey Bay Aquarium Research Institute Summer Fellowship	Summer 2021 (deferred)
<ul style="list-style-type: none">• Creation of a project to monitor the impact of climate change on whale migration in the North Pacific	
Weinberg College Summer Research Grant - \$3500	Summer 2020
<ul style="list-style-type: none">• Made possible by the Baker Program in Undergraduate Research and supported by the Lane Fund for Environmental Studies	
Northwestern Alumni STEM Scholarship - \$4,000	Fall 2019
Harry F. Byrd Leadership Award - \$10,000	Fall 2017

Community Outreach Experience

Senior Counselor, Camp Lachlan (Rockbridge Baths, VA) *2014—present*

- Team member with 30 co-counselors to ensure the safety and well-being of 120 campers
- Taught children as well as led outdoor activities like hiking and kayaking
- Summer 2019 – Lead Counselor in charge of directing younger staff and coordinating with camp directors about proper procedure for both safety measures and daily activities

Summer Intern, University of North Carolina—Wilmington *Summer 2016*

- Collected organic carbon data by weighing and preparing various samples for analysis
- Surveyed barrier islands by wading through water and logging sea level for days at a time
- Created citizen science and outreach programs for local kids including organizing an implementing the creation of artificial oyster reefs on the Cape Fear River

Campus Activities

Northwestern University Tour Guide *2018—present***Helicon Magazine**, Prose Staff Editor *2017—present***In Our Nature Magazine**, Staff Writer *2018—present***Northwestern Mock Trial**, Member *2018—present***Northwestern University Outing Club**, Member *2017-present***Shepard Residential College**, Philanthropy and Community Engagement Chair *2018—2019***Edinburgh University Canoe Club** *2019—2020***Edinburgh University Mountaineering Club** *2019—2020*

Relevant Course Work

- Physics – Calculus based (and Labs)
- Calculus
- Cell Biology
- Genetics and Molecular Biology
- Inorganic Chemistry (and Labs)
- Physiology
- Introduction to Statistics
- Statistics for Life Sciences
- Intro to RStudio
- GIS Level 1
- Intro Earth Systems
- The Health of the Biosphere
- Energy and the Environment
- Intro Physical Geology
- Earth System History
- Paleoecology
- Glaciology
- Conservation Biology
- Aqueous Geochemistry
- Quaternary Climate Change

Skills

- Team leadership
- Organizational skills
- Strong verbal and written communication
- Experience in atlas.ti, ESRI ArcGIS, Qualtrics, and RStudio
- Basic Spanish language
- PADI Rescue Diver Certification
- First aid and CPR training and certifications

Hobbies

- Backpacking and mountaineering, whitewater kayaking, SCUBA diving, and general outdoors enthusiast
- Knitting
- Guitar
- Writing and reading
- Running