**Lily Fanok**

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**EDUCATION**

**B.S**. Geoscience: Earth Systems, Spanish. *West Chester University*, 2017

**M.A.** Natural Resources and Society. *University of Idaho*, 2020

**HONORS AND AWARDS**

**West Chester University Honors, Magna Cum Laude, 2014-2017**

**Geology and Astronomy Alumni Undergraduate Scholarship, 2015**

**Walking Mountains Science Center, Green Team initiative winner, 2017**

**Sole Power: Green Commuting in the Eagle Valley, 2017**

**RESEARCH INTERESTS**

Environmental conservation; human and environmental interactions; geomorphological processes; GIS and remote sensing; use of GIS to solve conservation/management issues (animal movement patterns, habitat fragmentation); large scale landscape analysis

**RESEARCH EXPERIENCE**

**Researcher/student, International Geology Field Studies, San Jose Costa Rica, Spring 2015**

* Level 300 class, 3 credits earned. Evaluated coastal sedimentation, island geology and volcanology, and watershed hydrology of Costa Rica.

**Researcher/student assistant, West Chester University, Fortesque, New Jersey, Summer 2016**

* Gathered sediment cores from salt marsh to determine range of carbon dioxide levels stored in marsh sediments. Project will evaluate impacts of sea level rise on carbon storage and global climate change.

**Front Range Pika Project, CO, 2017**

* Citizen Science project. Involved collection of data from high altitude climates in to learn more about American Pika and their habitats. Goal of project was to assess the species’ sensitivity to climate change.

**WORK EXPERIENCE**

**Intern SAVE Alliance Foundation, Althouse Arboretum, Gilbertsville, PA, Summer 2015**

* Created virtual map using GPS and Google Earth that illustrated species diversity and variation.
* Presented independent project at Althouse Arboretum Grand Opening to Board of Directors, State Representatives, Township Commissioners, and the general public.
* Map has been instrumental in developing a forestry management plan, specifically addressing Emerald Ash Borer, *Agrilus planipennis* Fairmaire, impacts to existing Ash sp.

**Intern Aquaterra Technologies**, **West Chester, PA, 2016-2017**

* Worked with investigative team, preparing geologic logs, field data, and laboratory analytical results
* Learned about various toxic substances and acceptable levels; the basics of contaminated site remedial work; the importance of well sampling; importance of detail oriented work

**Walking Mountains Science Center, Avon, CO, 2017**

* Worked as a naturalist and certified interpreter for the science center; also worked for the National Forest Service as an interpretive ranger
* Developed and led a large variety of environmental outreach programs, juggling a large variety of responsibilities with little oversight
* Public Land Core hours

**MEMBERSHIPS AND CERTIFICATIONS**

* Sigma Gamma Epsilon - National Honors Geologic Society – Secretary
* Certified Interpretive Guide
* AED/CPR

**LANGUAGES**

Conversational Spanish