

## **EDUCATION**

- SHIPPENSBURG UNIVERSITY (2014-2017)  
Shippensburg, PA: MS, Geoenvironmental Studies  
Cumulative GPA: 3.869  
Graduation: May 2017
- SWAMP SCHOOL, LLC (April 2014)  
Raleigh, NC: Certificate of Training in Wetland Delineation & Regional Supplement  
Completed 36 hours of classroom and field instruction in the wetland sciences
- SUSQUEHANNA UNIVERSITY (2009-2013)  
Selinsgrove, PA: BS, Earth and Environmental Sciences  
Cumulative GPA: 3.52  
Graduated: May 2013
- SUSQUEHANNA UNIVERSITY AND AMIZADE STUDY ABROAD  
Geology and Ecology of the South West: Mojave Desert and Sierra Mountains (January 2013)  
Tropical Ecology of Vertebrates: Trimbina, Costa Rica (March 2012)  
Peace, Youth, and Reconciliation: Belfast, Northern Ireland (Summer 2011)

Undergraduate Thesis: “Facies Analysis of the Keyser Formation (Siluro-Devonian): Selinsgrove Junction, PA.” This investigation utilized thin-section analysis, XRF analysis, and XRD analysis to examine the lithofacies within hand samples from a stromatoporoid reef and its surrounding environments. These analyses identified a subtidal environment containing five different lithofacies reflecting variations in depositional conditions across the reef.

Graduate Research: “Preliminary Spectral Analysis of the Salona-Coburn (Upper Ordovician) Interval from Central PA Using Bed by Bed Thickness Measurements.” The investigation compared measured bed thicknesses of interbedded limestone-shale deposits of the Trenton Group using spectral analysis. Statistically significant cycle frequencies were calculated using Lomb-Scargle Periodogram and REDFIT analysis in an effort to understand the cyclostratigraphy of the Trenton Group in Pennsylvania and the environmental conditions of the Taconic Foreland Basin that led these limestone-shale depositional cycles. (2017 Northeastern GSA Poster Presentation)

## **HONORS & AWARDS**

- Outstanding Service* - Dept. of Geography/Earth Sci., Shippensburg University (2015-2016)  
*Gamma Theta Upsilon (GTU)* - International Geographic Honor Society Member (2014-2017)  
*Cum Laude* - Susquehanna University (2013)  
*Departmental and Research Honors* - Susquehanna University (2013)  
*Sigma Gamma Epsilon (SGE)* - Earth/Environmental Honors Society Member (2010-2013)  
*W.A Tarr Award* - SGE award for outstanding work in the Earth Sciences (2013)  
*Margery H. Falconer Memorial Award* - for outstanding member of the Pocono Lake Preserve community (2011)

## **CERTIFICATIONS**

40-Hour Training For Hazardous Waste Operations & Emergency Response (September 2017)

Certification of Training: Wetland Delineation & Regional Supplement Training (2014)

**EXPERIENCE**

MEISER & EARL, INC. (2017 to present)

Staff Geoscientist:

Duties include: groundwater/surface water sampling; collecting and analyzing data logger information; stream gauging; preparing and reviewing data in the form of tables, graphs, and plots for quarterly/annual groundwater monitoring for the Pennsylvania Department of Environmental Protection (PADEP), Susquehanna River Basin Commission (SRBC), and National Pollutant Discharge Elimination System (NPDES).

Supervisor: James Eby, P.G.

**PREVIOUS WORK EXPERIENCE**

SHIPPENSBURG UNIVERSITY (2015-2016 & January 2017)

Graduate Assistant:

Assisted Professors with proctoring exams, laboratory instruction, field trips, and grading tests and assignments.

Assisted with a Field Study Course to Curaçao in January 2017.

POCONO LAKE PRESERVE (Summer 2013-2014)

Nature Center Director:

Planned activities for each week, including formal talks by local professionals, Nature Walks, stargazing, etc.

Wrote and distributed weekly information regarding activities in the “Nature Notes”, the center’s publications.

Developed and maintained Nature Center exhibits and building.

Assisted visitors in research of specimens or natural phenomena, as they worked on their Pine Tree Awards (PTA).

Conducted workshops and organized and lead hikes and field trips instructing all ages on the natural sciences.

SUSQUEHANNA UNIVERSITY (July 2012- May 2013)

Student Research Position:

Rock sample collection, preparation, and analysis.

Developing a research paper and presentation of research results.

Teacher’s Assistant:

Aiding with laboratory work and tutoring students in an introductory geology course.

**INTERNSHIP EXPERIENCE**

DCNR BUREAU OF TOPOGRAPHIC AND GEOLOGIC SURVEY (May 2014-July 2017)

Assistant Core Librarian:

Archived rock cores and drill cuttings within GIS and Access databases, prepared rock samples for external and internal analyzes, maintained and repaired sampling equipment (including core pluggers, trim saws, slab saws, and core saws) and assisted with field mapping projects.

Between internship periods, I also volunteered within the BTGS and at the 2015 and 2016 Field Conference of Pennsylvania Geologists (FCPG).

MANADA CONSERVANCY (January 2015-May 2015)

Conservation Intern:

Grant research and assisting with grant preparation, construction of greenhouses for native plants, developing maps of land trust properties, and monitoring land trust properties, assisting with the development of property easements.

**LEADERSHIP EXPERIENCE**

PRESIDENT, VICE PRESIDENT, & FUNDRAISING CHAIR

Geoclub, Susquehanna University focused on Environmental Sciences (2012-2013)

PRESIDENT

Lower Dauphin 4-H Horse and Pony Club, Dauphin County, PA (2008-2009)

**ADDITIONAL ACTIVITIES**

Ultimate Frisbee Team- Team Member and Secretary (2009-2013)

Susquehanna University Swing Dance- Member and Instructor (2009-2013)

Round Table Discussions of Scientific Articles- Co-founder (2012)