



ASHLEY ADAMS

200 N. 35th St.
Philadelphia, PA 19104

(817) 320-0678

ala97@drexel.edu

PROFILE

A current environmental science PhD student at Drexel University with experience utilizing the ArcGIS suite of programs. Areas of interest include vertebrate paleontology, especially Mesozoic fauna, field-mapping and stratigraphy, and utilization of ArcGIS in paleontology.

EXPERIENCE

CURATORIAL ASSISTANT- ACADEMY OF NATURAL SCIENCES AUG 2015-MAY 2016

Worked on a variety of projects at the Academy of Natural Sciences, including; creating basemaps of multiple sites in Nunavut with fossil locality positions for eventual publication; transformed 3d files of *Tiktaalik rosae* in the freeware program Meshlab; took the transformed files and created 3d pdfs for eventual display on a educational website.

TEACHING ASSISTANT- TCU 2012-2014, DREXEL UNIVERSITY 2014-2015; 2016-CURRENT

Taught a variety of classes while employed as a teaching assistant at both TCU and Drexel University- Gained experience in the traditional classroom setting, as well as in labs and in the field. Classes taught include:

TCU

- Understanding the Earth (Intro Geo Lab)
- Historical Geology II Lab
- Intro to GIS Lab

Drexel University

- Evolution Recitation
- Intro to Field Methods
- Advanced Field Methods
- Mineralogy Lab
- Vertebrate Paleontology Lab
- Vertebrate Anatomy Lab (Current)

MASTERS THESIS- AUG. 2012-JULY 2014

Master's Thesis primarily involved field work on the Rosillos Mountain Ranch, a private ranch located near Big Bend National Park. Gained traditional field experience, including stratigraphic section measuring with a Jacob Staff and Brunton Compass, field collecting techniques, and experience utilizing alternative geoapps for strike/dip measurement and gps data collecting. In addition, became experienced utilizing the ArcGIS 10.1 software for data management and geologic mapping.

EDMAP PARTICIPANT, TEXAS CHRISTIAN UNIVERSITY, FORT WORTH, TX – SUMMER 2013

Field mapping of paleochannels of the Missouri River within the USGS 7.5' quadrangles of Craig, Corning and Big Lake. Field methods utilized include the dutch hand auger method, the utilization of aerial photos coupled with field data, and Optically Luminescent Soil sampling techniques. Maps to be published with past EDMAP maps through the South Dakota Missouri River Institute at <http://www.usd.edu/missouri-river-institute/paleochannel-research.cfm>.

FIELD CAMP PARTICIPANT, LEHIGH UNIVERSITY, LEHIGH, PA— SUMMER 2012

Six week traveling geology field camp exploring and mapping the geology of part of the northern United States, including South Dakota, Wyoming and Idaho. Allowed for extensive practice with field mapping techniques, including utilizing aerial photos, ipads with GPS and basic GIS capabilities, measurements with a Jacob Staff and Brunton compasses, and the ability to work well with a group throughout the production of field maps.

PALEOLAB VOLUNTEER, PEROT MUSEUM OF NATURE AND SCIENCE, DALLAS, TX-SUMMER 2010

Formally the Dallas Museum of Nature and Science, was responsible for the preparation and maintenance of vertebrate specimens for future display, including juvenile hadrosaur specimens and adult *Alamosaurus* vertebrate.

EDUCATION

Drexel University, Philadelphia, PA- PhD Environmental Science, expected June 2019

Texas Christian University, Fort Worth, TX- MS Geology, August 2014

University of Pittsburgh, Pittsburgh, PA- BS Geology and BA Anthropology, August 2012

PUBLICATIONS AND CONFERENCES

Adams, Ashley L., Busbey, A. Stratigraphy and Paleontology of the Western Rosillos Mountain Ranch, Brewster County, TX: A Revision of Previous Mapping. *Society of Vertebrate Paleontology Abstracts*, Presented at the 75th Annual Meeting of the Society of Vertebrate Paleontology, 10/15/2015, Dallas, Texas.

Adams, Ashley L., 2014; Stratigraphy and paleontology of Upper Cretaceous to Paleocene strata on the western Rosillos Mountain ranch, Brewster county, Texas (Order No. 1564797). Available from ProQuest Dissertations & Theses Full Text; ProQuest Dissertations & Theses Global. (1615903132). Retrieved from <http://search.proquest.com/docview/1615903132?accountid=10559>

Adams, Ashley L., Busbey, Arthur, 2013; Stratigraphy and Paleontology of late Cretaceous to Paleocene Strata on the Western Rosillos Mountain Ranch, Brewster county, Texas. *Geological Society of America, Abstracts*, 45(127):221. <https://gsa.confex.com/gsa/2013AM/webprogram/Paper230008.html>

Adams, Ashley L., Woodworth, Daniel, DuBose, Megan, Holbrook, John, 2013; Apparent Non-coincident Coupling of the Missouri River Trunk System to mid-continent climate change. *Geological Society of America, Abstracts*, 45(133): 225. <https://gsa.confex.com/gsa/2013AM/webprogram/Paper233398.html>

Woodworth, Daniel, DuBose, Megan, Adams, Ashley, Holbrook, John, 2013; Morphology of the Holocene Missouri River in Northwestern Missouri. *Geological Society of America, Abstracts*, 45(146): 230. <https://gsa.confex.com/gsa/2013AM/webprogram/Paper233782.html>

SKILLS AND WORKSHOP PARTICIPATION

IDIGBIO DIGITAL DATA IN PALEONTOLOGICAL RESEARCH WORKSHOP, March 2017

This workshop will cover a variety of digitization practices within paleontology.

ESRI APP WORKSHOP PARTICIPANT, Online Fall 2016

Utilized the ArcGis app platform and learned the fundamental to creating apps through ESRI.

AAPG PETREL FUNDAMENTALS WORKSHOP SPRING BREAK EXPO, OKLAHOMA UNIVERSITY- Spring 2014

Learned the fundamentals to Petrel, an important software utilized for a variety of fields within the geosciences.

Programs

- ArcGis package
- Qgis
- Mesh lab
- R statistical package
- Petrel
- Adobe package (Illustrator, Photoshop)
- Microsoft Suite/iWork

FUNDING AND AWARDS

EXPERIMENT.COM “DINO DAMAGE AND DEATH ASSEMBLAGES: ANALYZING AILMENTS AND ENVIRONMENTS OF MORRIS SAUROPODS” Summer 2016

DREXEL DEAN’S FELLOWSHIP- 2014-2016

GSA GRADUATE STUDENT RESEARCH GRANT- Spring 2013

LEHIGH FIELD CAMP SCHOLARSHIP- Summer 2012