

# Alaina Ann Fike

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Email: [Lainie.geo@gmail.com](mailto:Lainie.geo@gmail.com) / Website: <http://lainiegeo.wix.com/alainafike>

## **EXPERIENCE**

### **Badlands National Park**

#### **Museum Technician**

03/2016 – present (40 hours/week)

- Identify and label objects by matching documentation
- Rehouse paleontological specimens in archival cradles
- Work with on-site archival material to digitize historic records
- Enter cataloging data into Rediscovery ICMS using established NPS procedures
- Use ICMS Database to complete a variety of tasks
- Use museum collection specimens to provide answers from visitors and from park staff
- Assist with tours of the collections storage building
- Prepare paleontological specimens in accordance with NPS standards in an open lab setting
- Lead fossil prep lab training for interns
- Lead seasonal closing of prep lab including organization, inventory, and moving of heavy objects
- Identify preservation needs of fossils
- Affix catalog numbers and field numbers to objects
- Repack objects in the lab with care and prepare permanent data records

### **Badlands National Park**

#### **Curatorial Volunteer**

11/2015 – 03/2015 40 (hours/week)

- Archives Digitization Training through the Digital Public Library of America
- Complete DOI training for Rediscovery ICMS cultural resources, natural history resources, archives etc.
- Organize museum archives in accordance with NPS standards
- Label specimens by matching documentation field labels, notes, etc. with the objects
- Perform limited cleaning and stabilization
- Perform routine tasks in support of the museum and prep lab
- Create close out procedures for fossil prep lab
- Use designated NPS catalog program to complete tasks

### **Badlands National Park**

#### **Americorps DOI/VISTA**

11/2014 - 11/2015 (40 hours/week)

(Department of the Interior/Volunteer in Service to America)

- Train youth interns for seasonal employment and supervise daily activities
- Teach concepts based on paleontology, geology, archaeology, biology, history and to the interns
- Develop Youth Intern Training Packet and content for social media
- Inventory, document, and store interpretive props assuring complete labeling
- Provide assistance to complete the inventory of collections at Minuteman Missile National Historic Site
- Operate audiovisual equipment, computer, and telephone
- Design outreach programs highlighting local paleontology, geology, archaeology and biology
- Provide answers and information to park visitors and assist with visitor center operations
- Operate government vehicle
- Lead sessions at the Women in Science Conference in Pierre, SD
- Prepared three grant proposals and secured \$10,000 in grant funding

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## Museum of Geology

**Fossil Preparator** (Volunteer) 11/2009 - 11/2015 (4 hours/week)

- Prepare fossil specimens from Cretaceous and Oligocene rocks
- Provide answers and information to visitors
- Construct bedding jackets for the specimens
- Take detailed lab notes
- Assist in molding and casting of fossil specimen

## Badlands National Park

**Geoscientist in the Park** 06/2013 - 09/2013 (40 hours/week)  
06/2014 - 09/2014 (40 hours/week)

- Take detailed lab notes daily
- Prepare paleontological specimens in accordance with NPS standards
- Prepare specimen from Agate Fossil Beds National Monument
- Maintain equipment
- Construct archival cradles to house specimens assuring complete labeling
- Interpret paleontology, geology, archaeology, biology, and museum collections to the public
- Assist in field work and paleontological monitoring as needed
- Use proper personal protective equipment- Prepare objects for storage or display
- Assure complete labeling that preserves data associated with the objects
- Mix glue and observe best safety practices
- Paint replicas and perform limited cleaning
- CPR/FIRST AID/AED training (2013, 2014)
- Paleontology Lab Training (2013, 2014, 2015, 2016)
- Search and Rescue Training (2014)

## Museum of Geology

**Museum Assistant** 08/2010 - 05/2011 (20 hours/week)  
08/2011 - 05/2012 (20 hours/week)  
08/2012 - 05/2013 (20 hours/week)

- Complete inventory of Museum Store
- Interpret museum to visitors and give informative tours
- Implement museum maintenance and housekeeping schedules
- Implement museum environmental monitoring program daily
- Run cash register and handle office records and correspondence
- Provide answers and information to museum visitors
- Performs routine cleaning of objects as directed and according to established standards
- Assist with the installation, repair, and rehabilitation of exhibits
- Design and create permanent exhibit showcasing fossils from the Big Pig Dig of South Dakota
- Develop and run educational booths at museum events
- Identify rocks and fossils and archaeological artifacts brought in by public

## Wyoming Dinosaur Center

**Dig Site Supervisor** 05/2011 - 08/2011 (40 hours/week)  
06/2012 - 08/2012 (40 hours/week)

- Lead dig-for-a-day experiences for guests and give tours
- Supervise volunteers and interns in the field and lab
- Responsible for all excavation and documentation from an established dig site
- Identify preservation needs and prepare fossils
- Learn museum collection conservation and preservation practices
- Vehicle Maintenance

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## **EDUCATION**

**South Dakota School of Mines and Technology** Rapid City, SD

**Major:** Geology

**Bachelor's of Science earned:** May 4, 2013

**GPA:** 3.25/4.00

### **Relevant Coursework:**

Paleontology Resource Management, Physical Geology, Stratigraphy and Sedimentation, Minerals and Crystallography, Dinosaurs, Search for our Past, Regional Field Geology, Geology Field Camp, Anatomy, Biology I & II

#### Museum Conservation and Curation

- Complete inventory project for all fossils from a Special Interest Area in South Dakota
- Prepare and organize manual curatorial records including accessioning, registration, cataloging, filing, and collection storage procedures.
- Prepare objects for storage or display

#### Museum Exhibit Design and Preparation Techniques

- Research and create informative signs
- Prepare objects for display

#### Paleontology Field Camp

- Prospect for, excavate and document specimens relating to paleontology, archaeology, geology and biology.
- Increase skills in using basic hand tools with prescribed safety precautions
- Perform field work in adverse weather conditions

### **Exhibit Design**

Journey Museum in Rapid City, SD

- Cleaned, highlighted and consolidated a dinosaur trackway
- Designed informative signs for display

Museum of Geology in Rapid City, SD

- Designed exhibit showcasing fossils from the Big Pig Dig of South Dakota
- Created interpretive signs

### **Research**

Horse Tooth Morphology from the Barstovian and Clarendonian Land Mammal Ages of North America

### **Awards**

John Paul Gries Scholarship	2009
Darton Geologic Society Scholarship	2012
Black Hills National Forest Scholarship	2012
Dean's List:	2009, 2010, 2011

### **Paleontology Club**

2009-2013

- Secretary of Club (2011)
- Prepare and run educational booths for museum events
- Organize, package and transport fossil specimens to new repository