

Natalie Toth

Curriculum Vitae

Denver Museum of Nature & Science
2001 Colorado Blvd
Denver, CO 80010
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natalie.toth@dmns.org

EDUCATION

Master of Science: Paleontology

South Dakota School of Mines and Technology: Rapid City, SD (2008 – 2010)

Bachelor of Science: Geology

Eastern Illinois University: Charleston, IL (2005 – 2008)

CURRENT POSITION HELD

Chief Fossil Preparator, Denver Museum of Nature and Science 2017 – present

PREVIOUS PROFESSIONAL EXPERIENCE

Program Manager: NSF Grant, University of Utah	2016 – 2017
Park Paleontologist, Petrified Forest National Park	2016
STEM Program Manager, University of Utah	2016
Adjunct Faculty: Geosciences, Salt Lake Community College	2013 – 2015
Education Programs Specialist, Natural History Museum of Utah	2011 – 2016
Science Educator & Field Technician, Museum of Texas Tech	2011
Workshop Facilitator, Denver Museum of Nature and Science	2010 – 2011

TECHNICAL PREPARATION SKILLS

Experience and knowledge of the following consolidants and adhesives:

- Paraloid B72 & Vinac B15
- Cyanoacrylates, 2-part epoxies, and Epoxy putty

Experience and knowledge of the following tools:

- Use of air scribes in all sizes and air abrasion
- Use of dental picks, pin vices, scalpels, etc.
- Use of microscopes for small or detailed fossil preparation

Additional fossil prep skills:

- Constructing archival cradles for curatorial storage
- Managing 100+ projects completed by trained volunteers
- Developing and facilitating Fossil Preparation Courses for new volunteers
- Managing general safety practices, chemical inventories, and supplies

MOLDING AND CASTING SKILLS

- Creating research-quality molds and casts for DMNS specimens and loaned specimens
- Experience with platinum cure and tin cure silicones
- Experience with polyurethane and polyester casting resin
- Creating fossil casts for use in museum exhibits; repairing exhibit casts
- Producing peels of vertebrate trackways and skin impressions

PALEONTOLOGY FIELD WORK SKILLS

- Managing all camp dynamics and logistics with crews ranging from 4 – 20 persons
- Constructing large and small scale field jackets for transport of fossils
- Excavating and managing new and pre-existing fossil localities
- Generating quarry maps
- Operating concrete saws and jack hammers
- Prospecting for new localities
- Data collection, e.g., GPS info., site sedimentology & stratigraphy, etc.
- Testing potential sites for excavation
- Overseeing volunteers and interns during quarry excavation or prospecting

TEACHING EXPERIENCE

Salt Lake Community College, Salt Lake City, UT

GEOL 1110 & 1115 – Introduction to Geology; lecture & lab Fall 2013 – 2014

GEOL 1220 & 1225 – Historical Geology; lecture & lab Spring 2013 – 2015

FIELD WORK EXPERIENCE

2018 Fruitland Fm. & Kirtland Fm. – near Farmington, NM

Hell Creek Fm. – Marmarth, ND

Denver Fm. & Fort Union Fm. – Colorado Springs, CO

Kaiparowits Fm. & Wahweep Fm. – Grand Staircase-Escalante National Monument

2017 Denver Fm. – Thornton, CO

Hell Creek Fm. – Marmarth, ND & Harding County, SD

Morrison Fm. – Kaycee, WY

Fruitland Fm. & Kirtland Fm. – near Farmington, NM

2016 Chinle Fm. – Petrified Forest National Park

2015 Kaiparowits Fm. – Grand Staircase-Escalante National Monument (GSENM)

Wahweep Fm.—GSENM, UT

Chinle Group—Ghost Ranch, NM

Chinle Fm.—Lisbon Valley, UT

Cutler Group – Indian Creek, Canyonlands National Park, UT

2014 Kaiparowits Fm. & Wahweep Fm.—GSENM, UT

Chinle Fm. & Stump Fm.—Dinosaur National Monument, UT

Chinle Fm.—Lisbon Valley, UT

Tidwell Member, Morrison Fm.—Lisbon Valley (*Dystrophaeus* Project), UT

FIELD WORK EXPERIENCE (CONTINUED)

- 2014 Masuk Fm. & Tarantula Mesa Sandstone—Tarantula Mesa, UT
Green River Fm.—Flaming Gorge/Green River, WY
Chinle Fm.—Red Fleet Reservoir, UT
- 2013 Kaiparowits Fm. & Wahweep Fm.—GSENM, UT
Chinle Fm. & Stump Fm.—Dinosaur National Monument, UT
Chinle Fm.—Lisbon Valley, UT
Cutler Group—Indian Creek, Canyonlands National Park, UT
North Horn Fm.—Manti-La Sal National Forest, UT
Bridger Fm.—Bridger Basin, WY
- 2012 Kaiparowits Fm. & Wahweep Fm.—GSENM, UT
Chinle Fm.—Dinosaur National Monument, UT
Chinle Fm.—Lisbon Valley, UT
Yellow Cat Member, Cedar Mountain Fm.—Doelling’s Bowl, UT
- 2011 Kaiparowits Fm. & Wahweep Fm.—GSENM, UT
Dockum Group, Kirkpatrick Ranch—near Post, TX
Yellow Cat Member, Cedar Mountain Fm.—Doelling’s Bowl, UT
- 2010 Mussentuchit Member, Cedar Mountain Fm.—San Rafael Swell, UT
Yellow Cat Member, Cedar Mountain Fm.—Doelling’s Bowl, UT
- 2009 White River Group, Centennial Site—Wind Cave National Park, SD
Morrison Fm., Little Houston Quarry—near Sundance, WY
Yellow Cat Member, Cedar Mountain Fm.—Doelling’s Bowl, UT
- 2007 Navesink Fm., Inversand Company marl pit—near Sewell, NJ

GRANTS & AWARDS

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| 2016 | Ecological Restoration Youth Project; Jordan River Commission | \$2500 |
| 2016 | Hands on the Land Grant; Bureau of Land Management | \$5000 |
| 2015 | Presidential Volunteer Service Award | |
| 2015 | Environmental Education Program of the Year Nominee | |
| 2014 | The Paleontological Society Outreach and Education Grant | \$2500 |
| 2013 | Presidential Volunteer Service Award | |
| 2010 | Abbott Vertebrate Paleontology Award | \$1000 |

PUBLIC OUTREACH VIA MEDIA

- 2017 “Thornton *Torosaurus*” Documentary & Facebook Live – CBS Channel 4 News
<https://youtu.be/qMFjqXegfYU>
- 2016 “Respect and Protect” Video Series – Utah Bureau of Land Management
<https://youtu.be/0AXg8lBN4XI>
- 2015 “R.O.C.K.S. – Real Opportunities to Connect Kids with Scientists” –
Paleontological Society Outreach and Education Grant Video Series
<https://youtu.be/IYZXMeKtDXI>