

Marjean Cone

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Education

B.S., Geology, expected 2021

University of Illinois at Urbana-Champaign

Published abstracts

- Sclafani, J., Christie, M., Cone, M., Roselle, B., Bourne, A., Gazze, C., O'Brien, M., 2020. Morphology in time and space: how does shape change with sequence stratigraphic architecture?. EGU General Assembly, 2020, online.
- Cone, M., O'Brien, M., Christie, M., Sclafani, J. A., Bourne, A., Gazze, C. and Roselle, B., 2019. Brachiopod shape changes across the Late Ordovician Richmondian Invasion: Using 3D geometric morphometrics to analyze morphological changes through time and space. GSA 2019, Phoenix, Arizona.
- Michels, A., Cone, M., Levering, D., 2019. Guided Dissection of Primary Paleontology Research as a Tool to Build Science Literacy in High School Students. NAPC 2019, Riverside, California.
- Christie, M., Sclafani, J. A., Bourne, A., Cone, M., Gazze, C., O'Brien, M., Roselle, B., and Patzkowsky, M.E., 2018. Three-dimensional changes in morphological diversity of brachiopods across the Richmondian Invasion, Late Ordovician. GSA 2018, Indianapolis, Indiana.

Professional Appointments

- May – August, 2019: Teaching Assistant and Program Development Assistant; high school, middle school, and elementary school science camps with the Sternberg Museum of Natural History, Fort Hays State University. Field locations: Kansas (Paleontology focus), Oregon (Marine Paleontology focus), California (Volcanology focus), Australia (Paleontology focus)
- May – August, 2018: Teaching Assistant and Program Development Assistant; high school, middle school, and elementary school science camps with the Sternberg Museum of Natural History, Fort Hays State University. Field locations: Kansas (Paleontology focus), Colorado (Paleontology and Geology focus)
- May – July, 2017: Teaching Assistant; middle school science camps with the Sternberg Museum of Natural History, Fort Hays State University. Field Locations: Kansas (Paleontology focus), Utah (Desert Biology focus)

- June – July 2016: Camps Counselor; middle school science camps with the Sternberg Museum of Natural History, Fort Hays State University. Field locations: Kansas (Paleontology focus), Utah (Desert Biology focus)

Research Grants

- Midwest Alumni Undergraduate Research Grant (2018- present)

Professional Development and Workshops

- Wilderness First Responder Certification (2017)
- Society of Vertebrate Paleontology workshop co-leader:
 - ❑ *Active and Inquiry-Based Learning Strategies for Field and Classroom Educators* (October 2020)

Professional Memberships

- Society of Vertebrate Paleontology (September 2019- present)
- Paleontological Society (September 2019- present)
- Geological Society of America (September 2018- present)
- Association for Women Geoscientists (September 2018- present)

Departmental Service and Community Outreach

- Volunteer for the 2020 School of Earth, Society, and Environment Research Review (February 2020)
- Distributing painted rocks throughout the campus community with Geology Club for the Kindness Rocks project (February 2020)
- Engineering Open House (April 2019):
 - ❑ Ran a fossil exhibit table
- Teaching Assistant for elementary school fossil day (September 2019):
 - ❑ Taught general earth processes lecture with a graduate student to Urbana district elementary students
 - ❑ Led Urbana district elementary students through our lab specimens and mineral collections and a tour through the Natural History Building
- Assisted with running an Urbana school district canoe trip to Kickapoo State Park as part of science field education outreach with Dr. Michael Stewart (October 2017)
- University of Illinois at Urbana-Champaign Geology Ambassador (August 2017- present):
 - ❑ Meeting with Geology Alumni Advisory Board to discuss improvements for the department
 - ❑ Writing letters to prospective geology students
 - ❑ Meeting with prospective and admitted geology students
- Assisted planning internal awards ceremonies for graduating geology majors (August 2017- present)
- Planning and hosting Geology Club events such as movie nights and field trips for the department (August 2017- present)

Additional Service

- Promoted Sternberg Science Camps to local middle schools in Illinois (March 2017)

Paleontological and Geological Field Projects/Experience

Colorado

- Assisted Dr. Josh Lively with collecting stratigraphic data and geochemical samples for research in the Upper Cretaceous Mancos Shale (June 2019)

Utah

- Assisted Dr. Josh Lively with collecting stratigraphic data and geochemical samples for research in the Upper Cretaceous Tropic Shale (June 2019)

Ohio

- Digital collection of Brachiopod specimens for current research with Dr. Max Christie (June 2018)

Kansas

- Reopened Minium Quarry, an old fossil locality, and excavated Miocene plant and animal fossils with the Sternberg Museum (July 2018)

Ecuador

- Biodiversity survey and data entry from the Cloud Forest with the Sternberg Museum (July 2017)

Kansas

- Excavation of a mosasaur and associated material with the Sternberg Museum Science Camps (July 2015)

New Mexico

- Assisted Dr. Keith Geluso conduct bat research in the Chiricahua mountains with the Sternberg Museum Science Camps (July 2015)