**Margaret Veitch**

maveitch@umich.edu

Graduate Student Instructor

University of Michigan: Earth and Environmental Sciences

**Education**

**University of Michigan,**

PhD Candidate, Earth and Environmental Sciences

Advisor: Dr. Tomasz Baumiller

Expected Fall 2019

**University of California, Los Angles**

Bachelor of Science in Geology/Paleobiology

Minor: Anthropology

August 2013

**Research Experience**

Graduate Student Research Assistant (University of Michigan Department of Earth and Environmental Sciences) September- December 2014, 2015, 2016, May – August 2018

 Working on life history and origins for the crinoid species

Senior Project (UCLA Department of Earth, Planetary, and Space Sciences)

The Family Placement for the ammoniod *Durvilleoceras woodmani*

Lab Technician (UCLA Department of Earth, Planetary, and Spaces Sciences)

February 2012-June 2012

Worked in Kavner Lab. Duties included assisting in data collection during the heating of diamond cells for high pressure and heat studies, operation of raman spectroscopy instrumentation to determine pressure in cells, filling of diamond cells with samples, general lab equipment maintained.

**Museum Experience:**

Museum Assistantship (University of Michigan, Museum of Paleontology)

 September 2018 – December 2018

September 2017 - December 2017

May 2016 – August 2016

May 2015 – August 2015

Science Communication Fellow since 2019

**Teaching Experience:**

Graduate Student Instructor (University of Michigan, Department of Earth and Environmental Sciences)

**EES 125, Evolution and Extinction**

 January 2015-April 2015

 January 2016-April 2016

 January 2018-April 2018

 January 2019-April 2019

**EES 103, Dinosaurs and Other Failures**

October 2016 – December 2016

**EES 111, Climate and Humankind**

October 2018 – December 2018

**EES 116, Introduction to Geology** (Field Course)

 June 2018 – July 2018

**EES 222, Introduction to Oceanography, EES 223 Oceanography Lab**

 January 2017-April 2017

**EES 450 Ecology in the Rockies** (Field Course)

June 2017-July 2017

**Graduate Student Mentor** (University of Michigan, Department of Earth and Environmental Sciences) for Graduate Student Instructor. Trains and overseas GSIs development within the Department of Earth and Environmental Sciences. **August 2017 – August 2019**

**Teaching Workshops:**

Assessing Student Participation: What, How, and Why? (Winter 2019)

Creating and Grading Multiple Choice Exams (Winter 2019)

Facilitating Discussions of Research Literature in STEM Courses (Fall 2018)

Managing Academic Identities in Digital Spaces (Fall 2018)

Teaching in Tumultuous Times: Making Choices About How to Address the World Beyond Your Classroom (Winter 2018)
 Mentoring Undergraduate and Graduate Student Research (Winter 2018)

Using Technology to Check Student Understanding and Provide Feedback (Winter 2018)

Running Practice Teaching Session (Fall 2017)

Conducting Midterm Student Feedbacks (Fall 2017)

Martial Arts Instructor, Rohai Dojo

 Child (4-12) and Teen (13-18) instructor in self-defense and style techniques

 January 2014-August 2014, Yearly June 2009-September 2011

AAUW Teck Trek short Seminar in Geology

 Planned, lead, and taught 4 hour long field excursions for middle school students during a week-long science intense program

 Summer 2014, Summer 2015

**Conference Presentations:**

Veitch MA, Zamora S, 2018 New record of stalked Bourgueticrinids from Northeast Spain, *Geological Society of America Annual Meeting & Exposition Program,* Indianapolis, IN, v. 50,

Veitch MA, Messing C, Baumiller TK, 2018 Time heals all wounds: What regeneration reveals about predation in bathyal stalked crinoids, *16th International Echinoderm Conference,* Nagoya, Japan

Veitch MA, 2017 Investigating ontogeny in the Eocene crinoid *Conocrinus thorenti, Geological Society of America Annual Meeting & Exposition Program,*  Seattle, WA, v. 49

Veitch MA, Messing C, Baumiller TK, 2016 Escape to the Deep? Assessing the Predation Intensity of Bathyal Stalked Crinoids using Injury Frequencies and Rates of Arm Regeneration. *Geological Society of America Annual Meeting & Exposition Program*, Denver CO, v. 48, page 197

Veitch MA, Messing C, Baumiller TK, 2015 Contractile Connective Tissue (CCT) in the stalk of the Bourgueticrinid crinoid, *Democrinus*: Functional, Ecological, and Evolutionary Implications. *Geological Society of America Annual Meeting & Exposition Program*, Baltimore MD, v. 47, page 307

**Grants, Scholarships and Awards:**

Russell C. Hussey Scholarship, University of Michigan, Department of Earth and Environmental Sciences

2019 Earth and Environmental Science Outstanding Graduate Student Instructor

2018 Rackham International Conference Travel Award

2017 Rackham Conference Travel Award

2016 Rackham Pre-candidate Research Grant

2016 Rackham Conference Travel Award

Paleontological Society Scholarship Award for the 2015 5-week research field course “Taphonomic and Ecological Processes in Tropical Environments”.

2015 Paleontological Society Student Research Grants

2015 Scott Turner Award in Earth and Environmental Sciences

2015 Rackham Conference travel award

**Relevant Coursework**

2015 Summer Course on *Taphonomic and Ecological Processes in Tropical Environments,* San Salvador, Bahamas

Data and Modeling, Biomes, Ecology, Evolution, Paleontology, Molecular Evolution, Structural Geology, Stratigraphic and Field Geology, Genetics, Mineralogy, Sedimentary Petrology, Phylogenetic Methods

**Certifications:**

Advance Open Water SCUBA

Adult, Child, Infant CPR

**Trainings:**

Scanning electron microscope

**Professional Affiliations:**

Geological Society of America, Paleontological Society, American Association of University Women