

EVA MARIE BIEDRON

embiedron@fas.harvard.edu ◇ github.com/Eva-Biedron

EDUCATION

Vanderbilt University <i>MS, Earth & Environmental Sciences</i>	<i>2018</i>
University of Oregon, Clark Honors College <i>BS, cum laude, Geological Sciences, Biology, Chemistry (minor)</i>	<i>2016</i>
Harvard University, Extension School <i>Graduate Certificate, Project Management</i>	<i>2021</i>

EXPERIENCE

Museum of Comparative Zoology Curatorial Assistant II Harvard University	<i>2018 - present</i> Cambridge, MA
<ul style="list-style-type: none">• Conserve, track, and facilitate user access to 1000000+ fossils using a custom institutional database.• Manage projects & direct team-members to a) process 1500+ incoming specimens, b) locate materials & update database, and c) transcribe Spanish-language documents.• Aid in annual collection usage statistic preparation & design cabinet condition monitoring system.• Manage 1800+ follower Twitter account, respond to inquiries, and educate all ages at outreach events & conferences.	
DeSantis DREAM Lab Research Assistant Vanderbilt University	<i>2016 - 2018</i> Nashville, TN
<ul style="list-style-type: none">• Maintained lab schedules, supplies, and spaces while collecting 500+ microwear & 200+ stable isotope data points.• Trained 8+ users in confocal microscope use, stable isotope sample collection/preparation, data analysis, and scientific communication.• Tested validity of dental microwear texture as well as stable carbon & oxygen isotope paleo-environment proxies in Australian brushtail possums.	
Museum of Natural and Cultural History Paleontology Collection Assistant University of Oregon	<i>2014 - 2016</i> Eugene, OR
<ul style="list-style-type: none">• Geo-referenced specimens and produced multi-institution training materials for NSF-funded EPICC TCN grant (#1503065, \$606K).• Manage specimen inventory and process incoming & outgoing specimens.	
UO Vertebrate Paleontology Lab Undergraduate Research Assistant University of Oregon	<i>2013 - 2016</i> Eugene, OR
<ul style="list-style-type: none">• Reviewed primary literature to construct database of modern primate diets.• Used R & ArcGIS (a geographic information system) to analyze & visualize data e.g., Cenozoic fossil diversity.• Identified multiple Miocene Sciuridae species to prepare taxonomic reports including tentative description of a new species, <i>Miospermophilus paulinaensis</i>.	
Special Collections and University Archives Reading Room Assistant University of Oregon	<i>2013 - 2014</i> Eugene, OR
<ul style="list-style-type: none">• Identified & retrieved physical & digitized materials for researchers.• Processed incoming collections, collected metadata, and digitized materials.	

PROJECTS

EVAbase: an SQLite database for my mineral and fossil collection	<i>Ongoing</i>
Project Euler: solving mathematical/computer programming problems in Python and R	<i>2022</i>

SKILLS

Analytical Collections	Predictive statistics, Time series analysis, Relational databases, Agent-based modeling
Earth Science	Accessioning, Cataloging & curation, Specimen access & loans, Conservation, Digitization
Software/Tools	Mineralogy & Petrology, Hydrology, Sedimentology & Stratigraphy, Geological mapping
Coding/Tools	Specify, MCZbase/Arctos, OpenRefine, MS Office, Adobe Photoshop & Lightroom
Business	Python (pandas, NumPy, scikit-learn, & seaborn), R, SQL, SQLiteStudio, L ^A T _E X, Matlab
Communication	Project/process management, Agile methods, negotiation, stakeholder analysis
	Scientific communication, public speaking, social media management, grant-writing

PUBLICATIONS & PRODUCTS

Biedron, E.M. (2018) A multiproxy approach to tracking aridity across Australian landscapes using brush-tail possums (Marsupialia: Phalangeridae: Trichosurus) Masters of Science Thesis, Vanderbilt University, Nashville, TN.

DeSantis, L.R.G., Alexander, J., **Biedron, E.M.**, *et al.* (2018) *Effects of climate on dental mesowear of extant koalas...* PLOS ONE 13(8): 1-15.

Biedron, E.M. (2018) The Sciuridae (Rodentia: Mammalia) of Cave Basin (Oregon), A New Middle Miocene Microfossil Locality Honors Thesis, University of Oregon, Eugene, OR.

Biedron, E.M. & Famosos, N.A. (2016) *Using GEOLocate for Collaborative Georeferencing*. EPICC TCN Protocols, University of California Berkeley, Berkeley, CA.

GRANTS

National Science Foundation Graduate Research Fund Proposal, Semi-Finalist	2017
Geological Society of America Graduate Research Grant, \$1740.00	2017

LEADERSHIP

Association of Women Geoscientists Vanderbilt University Chapter. Treasurer, founding member	2017
Argentine Tango Club University of Oregon. Vice President	2016

TEACHING

Earth and Environmental Sciences Teaching Assistant	2016, 2018
Vanderbilt University, EES 1510 Dynamic Earth, EES 3220 Life Through Time	Nashville, TN
Scientific Literacy Program Undergraduate Scholar	2014, 2016
University of Oregon, GEOL 103 Evolving Earth	Eugene, OR

WORKSHOPS

Inclusive Scientific Communication Society of Vertebrate Paleontology	2021
Introduction to Biodiversity Specimen Digitization iDigBio	2021
Data Carpentry University of California Museum of Paleontology	2016

CONFERENCE PRESENTATIONS

- Byrd, C., Guerrero, J., Spind, C. **Biedron, E.M.** 2023. Assoc. of Materials & Methods in Paleontology. Accepted.
- Byrd, C., **Biedron, E.M.**, Green, C. & J. Woodward. 2021. Society of Vertebrate Paleontology. Online.
- Biedron, E.M.** 2021. Society for the Preservation of Natural History Collections. Online.
- Biedron, E.M.** & DeSantis, L.R.G. 2018. Society of Vertebrate Paleontology. Albuquerque, NM.
- Biedron, E.M.**, & DeSantis, L.R.G. 2018. Geological Society of America, Southeastern section. Knoxville, TN.
- DeSantis, L.R.G., Coulson, G., **Biedron, E.M.**, *et al.* 2018. Geological Society of America, Southeastern section. Knoxville, TN.
- Biedron, E.M.** & L.R.G. DeSantis. 2017. Geological Society of America. Seattle, WA.
- Davis, E.B., Hopkins, S.S.B., Famoso, N.A., **Biedron, E.M.**, *et al.* 2017. Society of Vertebrate Paleontology. Calgary,

AB, Canada.

McLaughlin, W., **Biedron, E.M.**, Davis, E.B., *et al.* 2016. Geological Society of America. Denver, CO.

Biedron, E.M. & Hopkins, S.S.B. 2016. Society of Vertebrate Paleontology. Salt Lake City, UT.

Hopkins, S.S.B., Davis, E.B., Theodor, J.M., McLaughlin, W., Reuter, D., Perdue, G., Oberg, D., **Biedron, E.M.**, & Walters, K. 2016. Society of Vertebrate Paleontology. Salt Lake City, UT.

Biedron, E.M. & Hopkins, S.S.B. 2016. University of Oregon Undergraduate Symposium. Eugene, OR.

Biedron, E.M. & Hopkins, S.S.B. 2016. EVO-WIBO. Port Townsend, WA.

Biedron, E.M. & Hopkins, S.S.B. 2015. Society of Vertebrate Paleontology. Dallas, TX.

Biedron, E.M. & Hopkins, S.S.B. 2014. Geological Society of America. Vancouver, BC, Canada.

Biedron, E.M. & Hopkins, S.S.B. 2014. University of Oregon Undergraduate Symposium. Eugene, OR.

Biedron, E.M. & Hopkins, S.S.B., & McLaughlin, W. 2013. Society of Vertebrate Paleontology. Los Angeles, CA.

REFERENCES

Jessica Cundiff

Curatorial Associate

Invertebrate Paleontology

Museum of Comparative Zoology

Scott Johnston

Preparator & Technician

Vertebrate Paleontology

Museum of Comparative Zoology

Contact information available upon request.