

# Brandon M. Keough, Ph.D. Student – Purdue University

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## EMPLOYMENT

Geoscientist, ExxonMobil Corporation	2021-2023
Graduate Teaching Assistant	2018-2020
Peer Content Tutor, SUNY Potsdam Student Services	2016-2018
Field Instructor, SUNY Potsdam Wilderness Education	2016-2018
Associate Instructor, Indiana University Geologic Field Camp	Summer 2017

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## EDUCATION

<b>M.S. Geology</b> – Purdue University	2018-2020
Advisor: Dr. Kenneth Ridgway	
<b>B.S. Geology</b> ( <i>Summa Cum Laude</i> ) – State University of New York at Potsdam	2014-2018
Certificate of Performance with Honors in Viola Performance, Crane School of Music	
Minor: Wilderness Education	

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## PUBLICATIONS

- Keough, B.M.**, Ridgway, K.D. (2023). High-Latitude Depositional Systems, Provenance, and Basinal Setting of the Late Cretaceous Cantwell Basin, Denali National Park and Preserve, Alaska: A Stratigraphic Framework for Paleontological and Paleoclimatic Studies. *Geosciences*, 13(6), p. 181.
- Keough, B.M.**, Ridgway, K.D. (2021). Tectonic Growth of the Late Paleozoic-Middle Mesozoic Northwestern Margin of Laurentia and Implications for the Farewell Terrane: Stratigraphic, Structural, and Provenance Records from the Central Alaska Range. *Tectonics*, 40(7), p. 1-35.
- Keough, B.M.**, King, O.A., Stimson, M., Quinton, P.C., Rygel, M.C. (2020). Sequence Stratigraphy of the Late Carboniferous Clifton Formation, New Brunswick. *Canadian Journal of Earth Sciences*, 57(11), p. 1289-1304.
- Gillis, R.J., Fitzgerald, P.G., Ridgway, K.D., **Keough, B.M.**, Benowitz, J.A., Allen, W.K. (2019). Overview of new 1:24,000-scale geologic mapping of the McCallum-Slate Creek Fault system, eastern Alaska Range, Alaska. Preliminary Interpretive Report, 9.
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## RESEARCH FUNDING

**2020:** GSA Graduate Research Grant: \$2500

**2019 and 2020:** Alaska Geological Society Graduate Research Grant: \$1500/yr.

**2019 and 2020:** Chevron Graduate Research Award: \$10,000/yr.

**2019:** Gardner Memorial Field Award: \$1500

**2019:** USGS EDMAP Program Grant #G19AC00139: \$17,500

**2017:** SUNY Potsdam Institute for Applied Research Grant: \$900

**2016:** SUNY Potsdam Presidential Scholars Research Funding: \$800

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## CONFERENCE PRESENTATIONS AND ABSTRACTS

Brown, A., Ridgway, K., Michalski, G., Buntin, C., **Keough, B.** (2022). Depositional Systems, Geochronology, Petrology, and Nitrate  $^{17}\text{O}$  Isotopes of the Confidence Hills Formation, Death Valley: Archives of Pleistocene Climate Change, Changes in Paleoprecipitation, and Milankovitch Cycles. Conference Abstract – American Geophysical Union Fall Meeting.

**Keough, B.M.** and Ridgway, K.D. (2020). Stratigraphic Record and Geologic Configuration of the Late Paleozoic-Mesozoic Northwestern Laurentian Margin: A Re-Evaluation of Upper Paleozoic-Cretaceous Strata, Denali National Park and Preserve, Central Alaska Range. Abstracts with Programs – Geological Society of America, 52(6), Abstract no. 198-14.

**Keough, B.M.** and Ridgway, K.D. (2020). Tectonic Evolution of the Northern Cordilleran Continental Margin: A Re-evaluation of Upper Paleozoic-Cretaceous Stratigraphy, Denali National Park and Preserve, Alaska. Conference Abstract – Cordilleran Tectonics Workshop, Anchorage, AK.

Allen, W.K., Ridgway, K.D., Benowitz, J.A., Fasulo, C., **Keough, B.**, Warfel, T.S., Fitzgerald, P., Gillis, R.J., Trop, J.M. (2018). Cenozoic basin development and strike-slip displacement along the Denali Fault System, Eastern Alaska Range, Alaska: a provenance approach. Abstracts with Programs - Geological Society of America, 50(6), Abstract no. 1-10.

Fasulo, C.F., Ridgway, K.D., Allen, W.K., Romero, M.C., **Keough, B.** (2018). U-Pb and Hf isotope detrital zircon geochronology of the Nutzotin Mountains Sequence, south-central Alaska: Implications for the configuration of the Mesozoic convergent margin, NW Cordillera. Abstracts with Programs - Geological Society of America, 50(6), Abstract no. 46-7.

**Keough, B. M.,** King, O. A., Stimson, M. R., Quinton, P. C., Rygel, M.C. (2018). Sequence Stratigraphy of the Late Carboniferous Clifton Formation, New Brunswick. Abstracts with Programs - Geological Society of America, 50(2), Abstract no. 46-5.

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## TEACHING

**2023:** Mineralogy Lab Sections (EAPS 243), Graduate Teaching Assistant<sup>1</sup>  
**2019 and 2020:** Historical Geology Lab Sections (EAPS 112), Graduate Teaching Assistant<sup>1</sup>  
**2019:** Mineralogy Lab Sections (EAPS 243), Graduate Teaching Assistant<sup>1</sup>  
**2018:** Wilderness Leadership II Capstone Course, Field Instructor<sup>2</sup>  
**2018:** Winter Expeditionary Skills, Field Instructor<sup>2</sup>  
**2017:** Field Geology of the Rocky Mountains (G429), Associate Instructor<sup>3</sup>  
**2016-2018:** Introductory Backpacking, Field Instructor<sup>2</sup>  
**2015-2018:** Introduction to Rock Climbing, Teaching Assistant<sup>2</sup>

<sup>1</sup>Employed by Purdue University

<sup>2</sup>Employed by SUNY Potsdam Wilderness Education

<sup>3</sup>Employed by Indiana University

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## AWARDS

**2020:** Purdue University Graduate Teaching Award  
**2019 and 2020:** Outstanding Graduate Teaching Assistant Departmental Award  
**2019 and 2020:** Terry R. West Scholarship  
**2019:** Cedric J. Newby Award  
**2019:** William J. Hinze Graduate Award  
**2018:** AIPG National Undergraduate Scholarship  
**2018:** NEAIPG Angelo Tagliacozzo Memorial Geological Scholarship  
**2016:** GSA/ExxonMobil Field Camp Scholars Award  
**2016:** Anadarko Field Camp Scholarship, Indiana University

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