CURRICULUM VITAE - JOHN A PECK

September 2026

Department of Geosciences
The University of Akron
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EDUCATIONAL HISTORY:

Ph.D. – 1995 Oceanography, Graduate School of Oceanography – University of Rhode Island
M.S. – 1989 Oceanography, Graduate School of Oceanography - University of Rhode Island
B.S. – 1986 Geology, University of Rhode Island (also Minor in Education leading to Secondary Science Teaching Certificate)

PROFESSIONAL HISTORY:

2023 – present	Chair of Geosciences, University of Akron
2012 - present	Professor, University of Akron
2005 - 2012	Associate Professor, University of Akron
2000 - 2005	Assistant Professor, University of Akron
1997 - 2000	Assistant Marine Research Scientist, University of R.I.
1995 - 1997	Post-Doctoral Researcher, University of R.I.

ACADEMIC PROFILE: Awarded over $1.3M in external (NSF, NASA, Ohio EPA, Ohio Sea Grant, National Geographic) funding; published > 53 research papers; 10 technical reports and 3 book chapters; co-managed a $1.2M International Continental Drill Project; advised 23 MS, 2 MS in progress, 9 Honors, and 31 undergraduate research projects; supervised and edited ~25 per year substantial course-related research term papers; serve as field camp director; past service as departmental graduate director, honors advisor and Physical Geology laboratory coordinator; major contributor to departmental recruitment and assessment activities; Honors College Council representative for BCAS (2007 to 2014); provide technical expertise to Cuyahoga Valley National Park and Gorge Dam removal advisory group.

RESEARCH SPECIALIZATION:

River and lake sedimentology to (1) quantify human environmental impacts to watersheds, (2) assess dam removals and (3) yield well-dated, paleoclimate records required for assessing linkages in the global climate system and output from computer climate models.

FUNDED RESEARCH and CONTRACTS:

Extramural

Ohio Sea Grant. Spatial and temporal variation in the mass accumulation of sediment, nutrients and contaminants in Lake Erie's central basin. $25,800. 2025-2027.

US National Park Service through DCR Services and Construction. Magnetic Intensity Mapping of the Cuyahoga River Adjacent to the Jaite Mill. $4,000. 2017.

Mr. Gary Harris donor. Involving students in paleoenvironmental research experience. $1,000/yr. $16,000 since 2007.

NASA. Inductive magnetic heating induced self-healing polymer nanocomposites. $3,000. 2011.

Ohio EPA pass through Friends of the Crooked River. Middle Cuyahoga River sediment yield study using radiometrically-dated dam-pool sediment cores. $1,800. 2011.

Ohio EPA pass through Friends of the Crooked River. GPR investigation to locate and delineate the Pinery Feeder Dam, Cuyahoga River. $1,000. 2010.

National Science Foundation 0602355. High-resolution, Low-latitude Paleoclimatology from New Acquired Sediment Drill Cores from Lake Bosumtwi, Ghana. $207,319 to Peck. 2006-2010.

Ohio EPA pass through Friends of the Crooked River. Seismic Study of Gorge Dam Pool Sediments. $5,000. 2010.

National Science Foundation 0402010. High-resolution, low-latitude paleoclimatology through scientific drilling of Lake Bosumtwi, Ghana. $392,412 to Peck. 2004-2005.

Summit County Environmental Services. Sediment sampling of the Cuyahoga River in the vicinity of the Munroe Falls Dam. $3,600. 2003-2004.

National Science Foundation 0110840. Acquisition of Basic Environmental Magnetics Laboratory Equipment. $106,107 to Peck. 2001-2003.

National Science Foundation 0117414. High-resolution paleoclimatology from newly acquired sediment cores from Lake Bosumtwi, Ghana. $32,022 to Peck. 2001-2003.

National Science Foundation 9709438. High Resolution, Interdisciplinary Paleoclimatic Studies of Late Quaternary Lacustrine Systems in Mongolia. $225,750 to Peck. 1998-2001.

National Science Foundation 9709438. High Resolution, Interdisciplinary Paleoclimatic Studies of Late Quaternary Lacustrine Systems in Mongolia - REU Supplement. $15,000 to Peck. 1998-2001.

International Continental Scientific Drilling. Scientific Drilling at the Bosumtwi Impact Structure, Ghana, West Africa. $1,200,000 account managed by John Peck, Christin Koeberl, Uli Harms while funds remained at ICDP. 2004-2005.

National Science Foundation 9614426. Lake Baikal Drilling Project: High Resolution Studies of Paleoclimate Change in South-central Siberia During the Plio-Pleistocene. PIs: John Peck, John King. $279,829. 1997-2001.

National Science Foundation. Lake Baikal Drilling Project: High Resolution Studies of Paleoclimate Change in South-central Siberia During the Plio-Pleistocene – REU Supplement. PIs: John Peck, John King. $30,000. 1997-2001.

National Geographic Society. Interdisciplinary Paleoclimatic Studies of Late Quaternary Lacustrine Systems in Mongolia. $14,609 to Peck. 1999.

Quonset Point Development Intermodal Inc. Geotechnical Survey of the Quonset Point Dredged Channel. PIs: John King, John Peck. $83,800. 1998-1999.

Intramural

Ohio Board of Regents R7103 Individual Research Challenge; High-resolution, Low-latitude Paleoclimatology from New Acquired Sediment Drill Cores from Lake Bosumtwi, Ghana. $14,104. 2006-2010.

UA Stoller Fund. Undergraduate Active Learning using a Sediment Transport Demonstration Channel. $16,000. 2008-2009.

Ohio Internal House Bill Monies. Digital mapping systems for geology field camp. $37,792. 2003-2004.

UA Faculty Research 207507. The environmental magnetic record of ecosystem and land use change from Summit Lake, Akron, OH. $4,000. 2002-2003.

Ohio Board of Regents R5492 Individual Research Challenge; Acquisition of Basic Environmental Magnetics Laboratory Equipment. $20,000. 2001-2003.

Ohio Board of Regents R5537. Individual Research Challenge; High-resolution paleoclimatology from newly acquired sediment cores from Lake Bosumtwi, Ghana. $8,000. 2001-2003.

AWARDS and HONORS:

The University of Akron, Buchtel College of Arts & Sciences
Dean's Above and Beyond Award, December 2022

The University of Akron Honors College
Outstanding Service to Honors Award, 2012

National Residence Hall Honorary, Certificate of Recognition "in appreciation for your hard work and dedication to the students at The University of Akron", 2011

Coalition for National Science Funding 15th Annual Exhibition and Reception on Capitol Hill, Washington, DC, March 24, 2009. I was one of three geoscientists joining other scientists invited to discuss the importance of science to members of congress. Met environmental staffers for both Ohio senators and 3 congressmen and presented a scientific poster in the Rayburn House Office building. A report of my presentation was widely circulated in a variety of geoscience newsletters.

The University of Akron Department Chairs' Award
Outstanding Achievement-Research, 2003

PUBLISHED PRINT, TV and RADIO INTERVIEWS:

- Akron Beacon Journal May 19, 2022. Concerning a mysterious gravestone found in the Cuyahoga River.
- Interviewed by Yanick Lamb (Howard University) on 12-18-20 about my research on Summit Lake for her series of articles on the Rubber Industry in Belt Magazine.
- Interviewed by Spectrum News 1 TV on 3-9-20 concerning my research on Cuyahoga River dam removals. Program aired on 6-15-2020.
- Special to the Cleveland Plain Dealer June 16, 2019 interviewed about my research for article concerning the 50th anniversary of the last burning of Cuyahoga River.
- *Akron Life* magazine August 2017 interviewed for a story on my research on the Cuyahoga River.
- PBS Radio IDEASTREAM 3-20-2014 interviewed for a story on Cuyahoga River dredging.
- Akron Beacon Journal 1-4-2014 interviewed for article on river science
- Cleveland Plain Dealer 1-17-2014 interviewed for article on river science
- WKYC-TV channel 3, Nov. 26, 2012 televised interview for climate change story
- *Down to Earth* magazine March 2011 interview for article concerning my climate change research.
- Deccan Herald, India April 2011 interview for article concerning my climate change research.
- Cleveland Plain Dealer April 16, 2009 interview for article concerning my climate change research.
- Keck Film Co. German TV nature program 2005 interview and appearance in production concerning Lake Bosumtwi scientific drilling.
- BBC World Service Discovery Radio, 2004 interview while drilling Lake Bosumtwi, Ghana.
- Channel 10 TV news, interview on R.I. coastal erosion Feb. 4, 1998.

PRESENTATIONS at SPECIAL MEETINGS: (see bibliography for published abstracts)

22. *Environmental Resources Technical Advisory Committee* Cuyahoga Falls, OH. December 6, 2022. Invited presenter. Attendees could earn 1 hour of continuing education credit.
21. *Ohio Federation of Soil & Water Conservation Districts 75th Annual Meeting* Columbus, OH. Feb. 24-26, 2019. Invited Presenter.
20. *Environmental Resources Technical Advisory Committee* Cuyahoga Falls, OH. December 5, 2018. Invited presenter. Attendees could earn 1 hour of continuing education credit.

19. *Summit Soil & Water Conservation District*: Keynote speaker at annual meeting on October 23, 2018.
18. *Ohio PRRSUM Showcase*: Connecting stream practitioners throughout the Midwest, August 29, 2016. Invited presenter.
17. *21st National Nonpoint Source Monitoring Conference & Workshops* October 29, 2013. Field trip leader to demonstrate stream measurement techniques.
16. *Environmental Resources Technical Advisory Committee* Stow, OH. March 6, 2013. Invited presenter. Attendees could earn 1 hour of continuing education credit.
15. *Hiram College's Science Reads Program*. Feb. 14, 2013. Invited presenter.
14. *Watershed Seminar, April 26, 2012. The Northeast Section of the Ohio Water Environment Association*. Invited presenter. The 75 professionals in attendance could earn 3 hours of continuing education credit.
13. *Special International Conference on the Response of North African Ecosystems 2007*. MARUM, University of Bremen, Germany, Nov. 13-16, 2007. Invited presenter.
12. *Continental Scientific Drilling 2005: A Decade of Progress and Opportunities for the Future*, GeoForschungsZentrum, Potsdam, Germany, March 30-April 1, 2005. Invited presenter and made major contributions to the conference white paper.
11. *8th Annual Workshop on Continental Scientific Drilling*, Rutgers University, NJ, May 23-25, 2004. Invited presenter.
10. *Human-Environment Interactions in Central Asia: A workshop on the archaeological and environmental history of Mongolia,* University of Pittsburgh, February 21, 2004. Invited presenter.
9. *1st International Workshop on Magnetism, Hysteresis and the FORC Method*, University of California – Davis, April 25-27, 2003. Invited presenter.
8. *9th National Conference of the Council on Undergraduate Research*, New London, CT, June 19-22, 2002.
7. *International Continental Drilling Program Lake Bosumtwi Workshop*, GeoForschungsZentrum, Potsdam, Germany, Sept. 22-24, 2001. Invited presenter.
6. *Conference on Mongolian paleoclimatology and Environmental Research*, LDEO, Columbia University. Nov 3-4, 2000. Invited presenter. NSF sponsored.
5. *PAGES Leaders Meeting*, Hilterfingen, Switzerland Nov. 7-10, 1997.
4. *Very-high resolution recording of paleomagnetic field and paleoclimate variations* - Santa Fe, N.M. June 27-30, 1996. NSF and Keck Foundation sponsored.
3. *Science Planning Workshop - Opportunities for Collaborative Research in Northern Mongolia* - Charleston, S.C. Oct. 25-28, 1995. Invited presenter. NSF sponsored.
2. *9th Annual Northeast Paleomagnetism Workshop* - Narragansett, R.I. Oct. 21, 1995.
1. *Sedimentary Biogeomagnetism* - Minneapolis, MN Sept. 1-3, 1995, NSF sponsored.

SCIENTIFIC CRUISES and FIELD WORK:

2001 to 2026 – Ohio, sediment sampling and geomorphic profiling:
- Lakes - Wyoga, Brady, Rex, Turkeyfoot, Nesmith, Silver, Summit, Isaac, Erie, Wingfoot, Meyers
- Dam pools - Munroe, LeFever, Gorge, Rt. 82, Baldwin Creek dams
- Rivers – Cuyahoga, Black, Tuscarawas, Little Cuyahoga, Yellow, Furnace Run, Mud

2004 - Lake Bosumtwi Drilling Project, Ghana
2000 - Lake Bosumtwi, Ghana, sediment coring trip
2000 - Portsmouth Naval Shipyard, ME, sediment sampling
1999 - Mongolia, two-month long sediment coring trip
1999 - Portsmouth Naval Shipyard, ME, sediment sampling
1995-2000 RI, CT, MA sediment sampling
1998 – Lake Baikal Drilling Project, Russia

1998 – Mongolia, month long sediment coring trip
1996 – Mongolia, month long field workshop to establish links between NSF and the Mongolian Academy of Sciences
1996 – Lake Baikal Drilling Project, Russia
1993 – Lake Baikal Drilling Project, Russia, two trips
1992 - Lake Baikal, Russia sediment coring (R/V Vereshchagin)
1990 - Gulf of Maine, sediment coring (R/V Cape Hatteras)

TEACHING ACTIVITIES:

Courses Taught

Introductory Physical Geology (101)
Exercises in Physical Geology (104)
Geology for Engineers (105)
Paleoclimate Seminar in Geology (680)
Rivers (443, 543)
Coastal Geology (421, 521)
Environmental Magnetism (444, 544)
Geology Field Camp I and II (453, 454, 553, 554)
Terrestrial Records of Environmental Change Seminar (684)
Sedimentation and Stratigraphy (324)
Guest lecturer 35 times to Honors College Natural Science Seminar Series
Geomorphology – Univ. of R.I.

Inquiry-based Educational Activities at the University of Akron:

1. Written communication is the number one skill geoscience employers seek in new hires (Shafer et al., 2022, GSA Today, 32(2), 34-35), therefore I have students gather and analyze geologic data and produce substantial individual research term papers in my upper-level courses. The graded reports are corrected by the student and resubmitted for a second grade (metacognition learning). This labor-intensive method teaches the course content and results in the student having a hardcopy example of their abilities to take on employment or graduate school interviews. A significant number of majors who may otherwise leave UA with no hardcopy report portfolio benefit from this teaching style (recent students impacted: 2018 n=29; 2019 n= 23; 2020 n=32; 2021 n=29; 2022 n=24; 2025 n=15).

2. Supervise numerous undergraduate and graduate student research projects resulting in the students presenting at conferences, U. Akron research day and to government agencies.

3. I devote at least four weekends each semester taking students into the field. Field experience in the number two skill geoscience employers seek in new hires (Shafer et al., 2022, GSA Today, 32(2), 34-35), therefore all my courses have a field component ranging from a Saturday trip in Introductory Physical Geology to more involved trips (ex. canoe trips in Rivers) and the weeks-long Geology Field Camp in SD and WY.

4. Quickly responded to COVID by designing an Ohio-based Geology Field Camp course in 2020 so majors could safely gain practical field experience and be best prepared for geoscience employment.

5. Secured funding to acquire a demonstration sediment transportation flume then designed labs for multiple courses so that students can conduct quantitative hands-on learning.

6. Secured funding to acquire GPS units and laptops for digital mapping by students conducting field research and attending field-based courses.

7. Led a 5-van, Department-wide geology field trip for 75 students from many different introductory classes on October 25, 2003.

Master's Thesis Advisor:

25. Katie Schultz, in progress. Environmental impacts as recorded by lake sediment.
24. Casey Worges, in progress. Evaluation of anthropogenic environmental impacts as recorded by the sediment of Meyers Lake, Ohio.
23. David Williams, May 2026**.** Multi-year Lake Level Variation and Storm Frequency Control Barrier Spit Position in Lake Erie, Ohio 212 pp. ***2nd place Best Student Poster Presentation 2025 WAMO conference***
22. Madison Wood, May 2024. The effect of land use on sediment quality in the Black River, Ohio, 204 pp.
21. Matt Rechenberg, 2023. Assessment of 220 years of anthropogenic impacts to Wyoga Lake, Summit County, Ohio, 233 pp. ***2nd place best presenter winner UA-GR 2023***
20. Melisa Rego, 2022. Varved lake sediment used to assess anthropogenic and environmental change in Summit Lake, Akron, Ohio, 279 pp.
19. Julian Grochocki, 2017. Late Holocene environmental variability as recorded in the sediments of a Northeastern Ohio kettle lake, 144 pp.
18. Andrea Rocchio, 2017. A comparison of rural and urban fluvial systems as a function of land cover changes in Summit County, Ohio, 259 pp.
17. Corinne Lally, 2016. Late Pleistocene to Holocene climate variability recorded in lake sediment of Silver Lake, Summit County, Ohio, 216 pp.
16. Adam Delaney, 2016. Effects of climate and development on the hydrology and geomorphology of the Yellow Creek watershed, Summit and Medina Counties, OH, 235 pp. ***Winner NC-GSA best student presenter award 2016.***
15. Chris Biro, 2015. An assessment of the short-term response of the Cuyahoga River to removal of the LeFever Dam, Cuyahoga Falls, Ohio, 344 pp.
14. Stephanie Mitchell, 2015. Sediment dispersal processes and anthropogenic impacts at Rex Lake, Summit County, Ohio, 261 pp.
13. Stephen Liberatore, 2013. Changes in geomorphic equilibrium on Furnace Run, Summit County, Ohio, 236 pp.
12. Kelly Shaw, 2013. Assessing Two Centuries of Anthropogenic Impacts on Silver Lake, Summit County, Ohio, 164 pp.
11. Kristofer Mann, 2012. Ninety-nine-year sediment yield record of the Middle Cuyahoga River watershed contained within the Ohio Edison dam pool, 275 pp.
10. Dustin Bates, 2011. Characterizing river and lake sediment using geophysical methods in urban impacted areas within Summit County, Ohio. 230 pp. ***Winner best presenter UA-CUGR 2010***
9. Hatice Poyrazli, 2010. Reconstruction of lake-level variation and shoreline position of Lake Bosumtwi, Ghana for the last 0.5 Ma, 146 pp.
8. Nick Kasper, 2010. An assessment of the LeFever dam pool, Middle Cuyahoga River, Summit County, Ohio, 406 pp.
7. Nardos Abebe, 2010. Paleohydrology of West Africa using carbonate, detrital and diagenetic minerals of Lake Bosumtwi, Ghana, 187 pp.
6. Paul McDonald, 2008. Late Holocene paleoclimatic records from small lakes in Mongolia, 107 pp.

5. Joe Rumschlag, 2007. Fluvial geomorphic and sedimentologic responses to dam removal: A case study from the middle Cuyahoga, Ohio, 296pp.
4. Philip Fox, 2006, A 1 Ma African climate change record from Lake Bosumtwi, Ghana. M.S. Thesis, Univ. of Akron, OH. 130 pp. ***Winner best presenter UA-CUGR 2004***
3. Stephanie Haney, 2004, The sediment record of anthropogenic impact on the Summit Lake ecosystem, Akron, Ohio, 170 pp. ***Winner best presenter UA-CUGR 2004; 2nd place student presenter OLMS***
2. Ryan Green, 2003, A magnetic mineral record of Late Quaternary tropical climate variability from the sediments of Lake Bosumtwi, Ghana, 107 pp.
1. Dawit Yifru, 2002, Post-glacial environmental change as recorded by Silver Lake sediments, Logan County, Ohio, 99 pp.

Master's Student committee member and reader:
Biniam Zerai (2001); Kenton Trubee (2002); Cory Dalton (2002); Matthew Geschke (2002); Natasha Demrovsky (2003); Evan Mankoff (2004); Beth Hochstetler (2005); Vaughn Kushner (2006); Dan Zinz (2007); Sara Sipahioglu (2008); Belinda Franko (2008); Mark Dalmon (2009), James Addo (2009); Mike Harp (2010); Doug Bertel (2011); Debbie DeWitt (2012); Jeff Hirko (2012); Bridget Ring (2013); Kevin Zoller (2014); Aaron Packnowsky (2014); Laura Scaggs (2014); Charles Spurr (2015); Justin Gilbow (2016); Natalie Murray (2016); Lindsay Starr (2017); JJ Kullenberg (2021); Jake Waller (2022); Jacob Tallon (2022); Maria Razo (2023); Mike Rebar (2025); Moe Slinger (2026); Ryan Johnson (2026); Louis Bou Samra (2026 biology)

Supervisor of Honors College Thesis Research Projects:
9. Rachel Engles, May 2025, The signal of airplane combustion in soil at a small airport in Ohio. 36 pp. ***Winner best presenter UAkron-BCAS 2025***
8. Madison Isaac, Dec. 2023, Using soil and forest type to map bedrock in Nemo, South Dakota.
7. Kayley Martin, spring 2021. Recent flooding events on the Chagrin and Cuyahoga Rivers, Ohio, 36 pp.
6. Connor Estes, fall 2016. Continued monitoring of the effects of two dam removals on the middle Cuyahoga River, Ohio, 110 pp.
5. Steven Rutter, August 2011. Effects of the Munroe Falls Dam Removal on Benthic Invertebrates in the middle Cuyahoga River, Ohio, 88 pp.
4. Elizabeth Mack, spring 2009. Using first order reversal curves (FORCS) to better characterize the rock-magnetic paleoenvironmental record from Lake Bosumtwi, West Africa, 52 pp. ***2009 NOGS Outstanding Graduating Geology Student in Northern Ohio*, *Winner best presenter UAkron-CUGR 2008 & 2009***
3. Julie Gouin, spring 2008. Tidalites: A Study of an Ancient Ohio Tidal Environment pp. 58 ***2008 NOGS Outstanding Graduating Geology Student in Northern Ohio*, *Winner best presenter UAkron-CUGR 2008***
2. Andrea Mullen, spring 2005. Assessing Impacts on Sedimentation due to Dam Modification on the Cuyahoga River, OH p.80 ***2005 NOGS Outstanding Graduating Geology Student in Northern Ohio***, ***Winner best presenter UAkron-CUGR 2004***
1. Pete Mazzeo, fall 2002. Coastal Processes and Environments Along Lake Erie at Bill Stanton Community Park, Lake County, OH pp. 46.

Undergraduate research advisor:

33. Noelle Bayless, fall 2026. Urban environmental impacts in Akron, OH as recorded in sediment.
32. Tabitha Walberg, fall 2026. Status of former LeFever and Munroe Fall Dam impounded sediment 15 years post dam removal.
31. Ayya Naffe, fall 2025. Paleomagnetic and environmental magnetic study of Lake Erie core ER43CT
30. Sam Jones, fall 2025. Wind wave mixing control on sediment accumulation in Summit Lake
29. Kyle Guibord, fall 2025. Elemental composition of Summit Lake deepwater sediments
28. Dylan Coyne, spring 2025. Changing environmental conditions of Nobles Pond, Stark County, Ohio. 46 pp.
27. Ian McCartt, spring 2025. Environmental impacts associated with gun club activities in Cuyahoga Falls, Ohio.
26. Grace Kruse, fall 2024. Environmental history recorded in the sediments of Lake Nesmith, Akron OH.
25. Hailey Connor, spring 2023. XRF geochemical characterization of Munroe Falls dam pool sediment.
24. Nick Speight, spring 2022. Pollution study of the Cuyahoga River, Gorge Dam pool in Cuyahoga Falls, Ohio from 2011 to 2021, 28 pp.
23. Cordelia Hoffmann, fall 2021, spring 2022. Environmental history as recorded in the sediments of Lake Isaac in Middleburg Heights, Ohio, 42 pp.
22. Anthony Perretta, fall 2020. Sedimentary Processes and Deposits in Wingfoot Lake, Mogadore, OH, 20 pp.
21. Madison Smith, fall 2020. Wingfoot shell assemblages as paleoenvironmental indicators.
20. Melisa Rego, spring 2020. Summit Lake pollution history.
19. Garrett Modd, spring 2020. Middle Cuyahoga River Geomorphology Assessment after June 2019 Floods: Cuyahoga Falls, Ohio, 37 pp.
18. Nicole Wagner, spring 2019. Laboratory experiment assessing the reliability of fossil shells as an up-direction indicator, 27 pp.
17. Jon Marke, fall 2018, spring 2019. Continued monitoring of the geologic changes to the middle Cuyahoga River as a result of two dam removals, 104 pp. ***1st place winner Community Involvement through research from Center for Experiential Learning at UAkron-UAIS 2019***
16. Sierra Swisher, fall 2018. Deglacial analysis using the palynology of the sediments of Silver Lake in Summit County, Ohio, 44 pp. ***2nd place winner for BCAS at UAkron-UAIS 2019***
15. Brandon Kopfer, fall 2018. Anthropogenic impacts as recorded in the sediments of Nesmith Lake, Summit County, Ohio, 54 pp.
14. Gabby Gromofsky, May 2017. Assessing sediment magnetism as a proxy for heavy metal pollution in Northern Ohio fluvial systems, 34 pp. ***2017 NOGS Outstanding Graduating Geology Student in Northern Ohio***
13. Travis McAllister, Dec. 2016. Characterizing water and sediment differences between urban and suburban tributaries to the Cuyahoga River in Summit Co., Ohio.
12. Sam Lockshin, May 2014. A magnetic mineral report of shallow water cores from Lake Bosumtwi, Ghana.
11. Lindsey Branham, May 2014. Magnetic mineral investigation of roadside pollution in Akron, OH.
10. Kara Katusin, May 2014. Magnetic mineral investigation of roadside pollution in Akron, OH.
9. Max Gilliland, May 2011. Spatial variations in sediment characteristics in Baldwin Creek, Berea, OH, 20 pp. ***Winner Best Presenter UAkron-CUGR 2012***
8. Morgan LaVallee, May 2011. Hydrologic implications of potential dam removals from Baldwin Creek, Cuyahoga Co. Ohio, 23 pp.

7. Patrick Newman fall 2010. Variations in soil magnetism as related to anthropogenic pollution, urban location, and time.
6. Kris Mann spring 2009. An urban impact on the Little Cuyahoga River, 42 pp.
5. Colleen O'Shea fall 2006. Characterizing minerals, sediments, and volcanic products using magnetic hysteresis loops and first order reversal curves, 29 pp.
4. Andrew Clark, fall 2005. Environmental magnetic properties of fly-ash from coal-fired power plants, 18pp. ***Winner*** **Best Presenter UAkron-CUGR 2005.**
3. Ann Donkin, fall 2002, Magnetic Testing on Paleo-soils from Ziyaret Tepe, Turkey
2. Bill Bates, spring 2002, Sediment quality of Summit Lake, Ohio, 88 pp.
1. Paula Cooper, fall 2001, Rex and North Turkeyfoot Lakes: An analysis of modern sedimentation.

Grant-supported Student Salary (over 35 students, over $100k)

Graduate Students salary supported:

Kris Mann (2011); Dustin Bates (2010, 2011); Nardos Tilahun, (2008,2009); Nick Kasper (2009); Paul McDonald (2007); Tyler McIlvaine (2006); Joe Rumschlag (2006); Erin Steele (2005); Phil Fox (2004, 2005); Stephanie Haney (2003); Ryan Green (2002, 2003); Dawit Yifru (2001, 2002).

Undergraduate Students salary supported:

Ian Mcartt (2025, 2026); Nicole Wagner (2020); Nick Milkovich (2017, 2018); Sam Lockshin (2014); Melanie Smith (2010, 2011); Jennifer Court (2010); Chrissy DeVono (2009, 2010); Kris Mann (2008, 2009), Tom Darmin (2007, 2008); Adam Tedrick (2007); Julie Gouin (2006, 2007); Elizabeth Mack (2005, 2006, 2007, 2008, 2009); Colleen O'Shea (2007); Debra Harris (2005, 2006); Andrea Mullen (2001, 2002, 2003, 2004); Steven Sabo (2003); Heather Adams (2001, 2002); Zach Jencks (2001); Megan Curry (2001).

Undergraduate Students salary supported at the University of Rhode Island:

Lee McConnel (1999, 2000); Shana Hamel (1999); Rachael Pott (1999, 2000); Nick Begyn (1997, 2000); Jim Sykora (1998, 1999); Caelin White (1998, 1999); Jess White (1998).

LECTURES, OTHER than at PROFESSIONAL MEETINGS:

43) University of Akron, (November 15, 2024), Biology departmental seminar
42) Kent State University (February 11, 2022), Geology departmental seminar
41) UA Engineers for a Sustainable World, (August 25, 2021) guest speaker
40) UA Environmental Action Club (March 10, 2020) guest speaker
39) Akron Roundtable Panel discussion (Aug. 7, 2019), Burning Cuyahoga 50th Anniversary
38) Summit Co. Metro Parks, (June 25, 2017), field demonstration & seminar
37) Portage County Historical Society, (October 24, 2015), seminar
36) Cuyahoga River AOC Advisory Committee, (July 23, 2015)
35) Northern Ohio Geologic Society, (February 4, 2015)
34) AMATS regional transportation planning agency, (July 17, 2014), seminar
33) East Central Ohio MENSA Club meeting, (Nov. 21, 2013), seminar
32) University of Akron Woman's Club, (March 22, 2012), seminar
31) University of Akron, (February 2, 2012), Biology departmental seminar
30) University of Pittsburgh (November 17, 2011), departmental seminar
29) University of Akron, STEMM lecture series (October 4, 2011)
28) College of Wooster (December 2, 2010), Geology departmental seminar
27) Franklin Club meeting (January 12, 2009), Akron professional society

26) Face the Nation Climate Change and National Security Forum (Nov. 18, 2009)
25) MetroParksServing Summit Co. (Nov. 30, 2007), Climate Change lecture series
24) Kent State University (October 5, 2007), Geology departmental seminar
23) Cleveland State University (October 26, 2007), Biology departmental seminar
22) University of Waterloo, Canada, (November 18, 2005), departmental seminar
21) Northern Ohio Geologic Society, (November 2, 2005)
20) University of Akron, (December 3, 2004), departmental seminar
19) University of Pittsburgh (Oct. 23, 2003), departmental seminar
18) Franklin Club meeting (March 10, 2003), Akron professional society
17) Cleveland State University (February 14, 2003), Biology departmental seminar
16) Kent State University (October 3, 2002), Geology departmental seminar
15) Northern Ohio Geologic Society, (March 7, 2001)
14) University of Akron, (December 7, 2000), Biology departmental seminar
13) College of Wooster, (November 30, 2000), Geology departmental seminar
12) University of Akron, (November 29, 2000), Geology Club meeting
11) University of Akron, (September 13, 2000), Biology departmental seminar
10) SUNY-Stony Brook (Feb. 9, 1999) departmental seminar
9) Miami University of Ohio (Feb. 4, 1999) departmental seminar
8) University of Ill. at Chicago (Jan. 11, 1999) departmental seminar
7) East-Siberian Research Institute of Geology and Geophysics, Irkutsk, Russia (June 11, 1998) departmental seminar
6) Syracuse University (March 2, 1998) departmental seminar
5) University of ME-Orono (Feb. 9,1998) departmental seminar
4) University of CT-Storrs (Oct. 30, 1997) departmental seminar
3) University of MA-Amherst (Sept. 26, 1997) departmental seminar
2) University of RI (August 1997), SURFO seminar
1) University of SC (April 28, 1997) departmental seminar

INSTITUTION and PUBLIC SERVICE:

I work to advance the mission of the department, college and university. Some of my service includes:

Services to the Department of Geosciences, University of Akron:

- Very active member of student recruitment efforts (2000-present)
- Led a 5-day new major trip to upstate New York as a recruiting incentive (July 2024)
- Geosciences undergraduate Honors student advisor (2005-2023).
- Geosciences Graduate Program Director (2013-2023).
- Geosciences Field Camp Director (2013-present).
- Physical Geology Laboratory Coordinator (2002-2014; 2023).
- Lead author of UG and G Education section to departmental 5-year program review (2023)
- Chair faculty mineralogy search committee (2020)
- Chair Geosciences Department chair search committee (2013)
- Chair Department RTP committees (2005, 2011, 2013, 2016, 2019, 2022)
- Chair departmental undergraduate program review committee (2008)
- Member departmental academic program review committee (2017-18)
- Member departmental merit review committee (2001, 2005, 2007, 2011, 2014, 2020)
- Assessment coordinator for department's MS program (2013-2023) and two Complex Issues courses; assessment contributor to department's BS/BA programs and general education (yearly)
- Led graduate program goals and objectives reporting requirements to OBR (2005)

Services to the College and University of Akron:

- Member College Distinguished Professor Review Committee (2021, 2022).
- College meeting minutes recorder (F2019, S2020)
- College of Arts & Sciences Tellers Committee member (2007, 2008, 2009, 2010).
- BCAS Dean search committee member (2017).
- UA representative to the state Dept. of Education Geology TAG board. Contribute to revising learning outcomes, review proposals for approval and led UA submission efforts (2013-present)
- Honors College Council representative for the college (2007 to 2014). Included monthly meetings, Scholarship Saturday interviews, attending receptions or dedications and attending numerous Honors graduation ceremonies to hang medallions on the graduates.
- Member University-wide STEM lecture committee that brought speakers to campus (2012)
- Judge for Creating Community Competition that awarded $25k in scholarships (2011).
- Invited speaker to the Honors College seminar (35 times)
- Represented the University of Akron to Congress in Washington DC on March 24, 2009, poster session attended by Speaker Pelosi.
- Judge of student presentations at the UA Conference on Undergraduate and Graduate Student Research (2007, 2008, 2009, 2012, 2014) and BCAS Conference (2025, 2026)

Professional Service to Public Organizations:

- Cuyahoga Valley National Park, 2019. Provided technical review of the geological displays being planned for the new National Park visitor center.
- Cuyahoga Valley National Park, 2019. Participant in multi-day meeting to scope out the Wild and Scenic Rivers application.
- Cuyahoga Valley National Park, 2018. I wrote the Outstandingly Remarkable Values Geologic Section for their Wild and Scenic Rivers application.
- Cuyahoga Valley National Park, 2018. Participant in the National Park Service Geologic Resources Inventory Report meeting and follow-on report editing.
- Cuyahoga Valley National Park, 2017. Research contract to study the Cuyahoga River adjacent to the Jaite Mill Site.
- Summit County Metro Parks 2-25-2016 invited participant in focus group meeting to provide input on their 5-year plan.
- Ohio EPA 2010. Research contract to study the Gorge Dam pool sediments in preparation for dam removal.
- Ohio EPA 2010. Research contract to find and delineate the Pinery Feeder Dam in preparation of the Rt 82 Dam removal from the Cuyahoga River.
- Reviewed U.S. Army Corps of Engineers (2013) dredging study upon the request of an Ohio public organization.
- Northeast Ohio Watershed Council quarterly meeting, July 28, 2010. I was the featured speaker presenting my research on the Cuyahoga River watershed. This effort led to research opportunities for 2 of our undergraduates in Spring 2011.
- Ohio-EPA April 8, 2010. Presentation regarding the Ohio-Edison dam removal.
- Cuyahoga Falls City Engineer September 13, 2010. Presentation regarding the LeFever dam pool sediment fill.
- Cuyahoga Valley National Park, 2009. Participant in the National Park Service Geologic Resources Inventory Report meeting and follow-on report editing.
- Department of Environmental Services, Summit Co. 2004. Study of the sediments behind the Munroe Falls Dam in preparation of its removal.

K-12 and public presentations:

- Presented an inquiry-based fossil activity to 30+ adults at a day program for disabled adults on July 17, 2026.

- Fairlawn Fest, created a mastodon fossil display and presented to the public on July 11, 2026.
- Geoscience Education Program for several high school classes in UA Academic Achievement Program, presented inquiry-based activities, attended lunch with students (July 10, 2025; July 2, 2026)
- Geoscience Careers Program for high school seniors in UA Academic Achievement Program, (July 14, 2025)
- Environmental Education Program at Marlington High School, presented inquiry-based activity (Feb. 20. 2025)
- Environmental Education Program at Mayfield High School, presented inquiry-based activity (Nov. 2024)
- Central Hower STEM High School, presented inquiry-based pollution activity (fall 2021)
- Our Lady of the Elms 4th grade, presented inquiry-based fossil activity (spring 2021)
- Tallmadge Public School 9th grade, presented inquiry-based mastodon activity (spring 2015)
- Firestone High School, research presentation to two environmental science classes (5-7-2014)
- Hudson Library Earth Day speaker on "The Dams of the Cuyahoga River" (4-23-13)
- Munroe Falls River Day celebrations, conducted an inquiry-based activity using the sediment transport flume to investigate the effects of dam removal (5-17- 2008, 5-16-2009, 5-19-2012)
- Interviewed by Hudson High School student for her climate change term paper (Feb. 2011)
- Tallmadge Elementary School, presented an inquiry-based rock activity (5-21-09; 5-13-2010)
- Represented the Department at the Akron Roundtable and prior night's reception for the CEO of the Nature Conservancy at the request of Fran Bucholzer (Fall 2009)
- Hudson Middle School FIRST Lego League robot club, was their "Climate Connection" topic consultant (9-15-08)
- Munroe Falls Historical Society (Feb. 14, 2008)
- Tallmadge Middle School, presented an inquiry-based rock activity (1-4-08; 2-21-12)
- Seiberling Nature Realm, MetroParks Serving Summit County, I was a speaker in the Climate Change lecture series (Nov. 30, 2007)
- Summit Co. Soil & Water Conservation District, research presentation (6-20-2007)
- Hathaway Brown High School, Two weeks supervising Kaitlin Carmen's "Senior Search" research at the University of Akron, included field, lab, Powerpoint and poster work (2006)
- Overdale Primary School, presented an inquiry-based fossil activity (5-15-2007; 4-11-2006)
- Dunbar School, presented an inquiry-based rock activity (March 17, 2005)
- David Bacon School, presented an inquiry-based rock activity (Jan. 15, 2004)
- District five science fair judge (March 16, 2002)
- Overdale Primary School, talk about Mongolia (4-23-02)
- Tallmadge branch - Akron-Summit County Public Library, Talk on "Mongolia" as part of their travel talks series (3/14/01)

Journal Reviewer:

Peer-reviews for: *Anthropocene; Boreas, G-Cubed; Earth and Planetary Science Letters; Earth Science Reviews; Environmental & Engineering Geoscience; Estuaries & Coasts; Geoarchaeology; Geology; Journal of Hydrology; GSA Special Publication on Bear Lake; The Holocene; Journal of Great Lakes Research; Journal of Paleolimnology; Earth and Planetary Science Letters; Geology; Oceans; Palaeogeography, Palaeoclimatology, Palaeoecology; Geophysical Journal International; Quaternary Research; Journal of Sedimentary Research*

Proposal reviewer:

Provide peer-reviews of research proposals for the US-NSF and have served on NSF review panels in 2019, 2010 and 2008. Additional proposal reviews for ACS-PRF (2002) and GSA Northcentral student research proposals (2003).

Meetings Convened:

- T95 Theme Session: *Dating and environmental interpretations of lake, loess, and marine sediment sequences using paleomagnetism and rock magnetism*, Annual Geological Society of America meeting 2006.
- Exhibits & Sponsorships Organizer for the 40th Meeting of the North-Central Section of the Geological Society of America, April 19-22, 2006.
- PP15 Special Session: *Tropical and Subtropical Climate Change*, Fall American Geophysical Union, 2005.

Membership in Professional Societies:

American Geophysical Union
Geological Society of America

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