Andrew J. Christ

Delehanty Hall, 180 Colchester Ave, Burlington, VT 05405
Andrew.Christ@uvm.edu | Website | Google Scholar | LinkedIn

EDUCATION

2019	Ph.D.	Boston University	Earth & Environment	Boston, MA
2011	B.A.	Hamilton College	Geosciences (Honors)	Clinton, NY
2010	--	University of Otago	International Student	Dunedin, NZ

EXPERIENCE

2019 – Present	Gund Postdoctoral Fellow, Gund Institute for Environment, University of Vermont
2019 – 2020	Lecturer, Department of Geology, University of Vermont
2018 – Present	Independent Consultant, MacMillan Publishers, CENGAGE: Digital Learning & Online Textbooks
2018 – 2019	Visiting Graduate Fellow, Department of Geology, University of Vermont
2015 – 2019	Graduate Research Fellow, National Science Foundation
2014 – 2015	GK12 STEM Graduate Teaching Fellow, National Science Foundation
2013 – 2019	Ph.D. Candidate, Department of Earth & Environment, Boston University
2011 – 2012	Environmental Scientist, URS Corporation, Denver, CO
2010	Research Fellow, Department of Geosciences, Hamilton College
2009	Teaching Assistant, Hamilton College
2008 – 2010	Hydrogeologist Intern, URS Corporation, Denver, CO

TEACHING

2019 – 2020	**Lecturer**, Department of Geology, the University of Vermont. Taught Environmental Geology (GEOL055, 38 students) and Earth System Science (GEOL001, 165 Students). Designed curru cy oa ; taught environmental field geology methods and mapping skills; advised students on independent research projects; managed and mentored teaching assistants. Transitioned coursework to online instruction during COVID-19.
2018	**Assistant Faculty** Governor's Institute of Vermont, Environmental Science and Technology. Taught environmental field methods related to stream ecology, water chemistry, and fluvial geomorphology. reated teaching materials on the interface of climate change and social justice issues. Mentored motivated high school students from around the state of Vermont during a week-long residential science program at the University of Vermont.

2015 – 2017 **Graduate Teaching Fellow**, Boston University Research, Education, and Communication of Science Program (funded by the Howard Hughes Medical Institute). Led and mentored three undergraduates on a research expedition to Antarctica in 2015, and taught them skills related to geomorphologic mapping, sample collection and management, soil pit sedimentology and stratigraphy, and GPS surveying. Advised students on semester-long science outreach media ..o inn1m0.

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17. **Christ, A.J.**, Marchant, D.R., 2017. “A terrestrial perspective of the LGM in McMurdo Sound, Antarctica: implications for marine ice sheet dynamics, ice flow, and deglaciation of the Ross Sea Embayment” Oral presentation, Geological Society of America Abstracts with Programs. vol. 49, no. 6, Seattle, WA, October, 2017. doi: 10.1130/abs/2017AM-305311

18. Kim, S., Yoon, H.I., Yoo, K., Lee, J.L., Lee, M.K., Khim, B.K., Domack, E.W., **Christ, A.J.** 2016. “Record of Holocene paleoclimate change in outer Bigo Bay, West Antarctic Peninsula”. Scientific Committee on Antarctic Research: Biennial Meetings & Open Science Conference, Kuala Lumpur, Malaysia, August, 2016.

19. Domack, E.W., Shevenell, A., Smith, K., Rosenheim, B., Ishman, S., Leventer, A., Subt, C., Peck, D., Yoon, H., Yoo, K., Wellner, J., Seong, Y.B., Evans, J., **Christ, A.J.** Jeong, A., 2016 “A high resolution record of trans-Antarctic peninsula ice stream retreat and a comparison of potential forcing mechanisms”. Scientific Committee on Antarctic Research: Biennial Meetings & Open Science Conference, Kuala Lumpur, Malaysia, August, 2016.

20. **Christ, A.J.**, Talaia-Murray, M., Domack, E.W., Leventer, A., Lavoie, C., Brachfeld, S., Yoo, K., Gilbert, R., Jeong, S., Wellner, J., 2014. "Late Holocene glacial advance and ice shelf growth in Barilari Bay, Graham Land, west Antarctic Peninsula". Oral presentation, Geological Society of America Meeting Abstract, vol. 46, no. 6, Vancouver, Canada, October, 2014.

21. Domack, E.W., **Christ, A.J.**, Brachfeld, S., 2013. "Chronology of Late Holocene paleoenvironmental variability of Barilari Bay, west Antarctic Peninsula". Oral presentation, Larsen Ice Shelf System (LARISSA) Research Group Meeting. Lamont-Doherty Earth Observatory, Columbia University, NY, May, 2013.

22. Elking, N.C., Talaia-Murray, M., **Christ, A.J.** Domack, E.W., 2012 "Establishing a High Resolution Record of the Little Ice Age in Barilari Bay, Graham Land". Poster presentation at the 12th Scientific Committee on Antarctic Research (SCAR) Meeting. Portland State University, Portland,

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9. Chemistry Department, Cherry Creek High School, Greenwood Village, CO, March 2015, "Antarctic Science: Implications for Our Future in a Warming World"

MENTORING EXPERIENCE

1. **Emily Cummings**, UVM College of Arts & Sciences, Class of 2022.

2. **Emelia Chamberlain**, BU College of Arts & Sciences, Class of 2018. Now: NSF Graduate Research Fellow & PhD Student, Scripps Institution of Oceanography & University of California San Diego

Field: cosmogenic nuclide rock sampling, soil pit excavation and sedimentological description, sampling fossil organic matter for radiocarbon dating, ice core hand auger drilling, differential GPS surveys, camp management, field logistics & operations, sample management, domestic and international shipping (including heavy, expensive, frozen, and/or radioactive materials), oceanographic water sampling, marine sediment core collection and subsampling (Kasten cores, gravity cores, multicores), sediment trap retrieval and subsampling, ground water sampling (passive diffusion bags, hand bailing, well pumping), surface water flow rate measurements, surface water sampling, Geoprobe and hollow stem auger drill logging and sediment sampling, monitoring well and piezometer completion, groundwater level measurement, LNAPL remediation well operation

RELEVANT COURSEWORK

Boston University GPA: 3.95