

Dylan A. Vasey

Ph.D. Candidate

Department of Earth and Planetary Sciences

University of California, Davis

One Shields Avenue

Davis, CA 95616

davasey@ucdavis.edu

Education

University of California, Davis – Ph.D., Geology, expected 2023, advanced to candidacy 2019, advisor: Eric Cowgill

University of California, Davis – M.S., Geology, 2018

Amherst College – B.A., *summa cum laude* with Distinction, Black Studies/History, 2014

Peer-Reviewed Manuscripts

Vasey, D.A., Cowgill, E., and Cooper, K.M., 2021, A preliminary framework for magmatism in modern continental back-arc basins and its application to the Triassic-Jurassic tectonic evolution of the Caucasus: *Geochemistry, Geophysics, Geosystems*, v. 22, e2020GC009490, doi:10.1029/2020GC009490.

Vasey, D.A., Cowgill, E., Roeske, S.M., Niemi, N.A., Godoladze, T., Skhirtladze, I., and Gogoladze, S., 2020, Evolution of the Greater Caucasus basement and formation of the Main Caucasus Thrust, Georgia: *Tectonics*, v. 39, no. 3, e2019TC005828, doi:10.1029/2019TC005828.

Honors and Awards

2019	Geological Society of America Structural Geology and Tectonics Division Field Trip Grant
2019	UC Davis Graduate Student Association Travel Award
2018	UC Davis Graduate Student Travel Award
2016-2018	John Mason Clarke 1877 Fellowship (Amherst College)
2016	National Science Foundation Graduate Research Fellowship Honorable Mention
2016	Inducted in Sigma Xi
2014	Fulbright Fellowship (English Teaching Assistant – Morocco)
2014	Edward Jones Prize (Amherst College)
2014	John Petropulos Prize in Historical Scholarship (Amherst College)
2014	Elected to Phi Beta Kappa
2013	Marshall Scholarship Finalist
2012	Charles W. Cole Scholarship (Amherst College)

Research Grants

2021	NSF EAR-Tectonics 2050623 (Participant)
2020	American Research Institute of the South Caucasus Research Grant
2017-2020	UC Davis Durrell Fund Grant
2017, 2020	Sigma Xi Grants-in-Aid of Research
2017, 2020	Geological Society of America Graduate Research Grant

Conference Abstracts

- Vasey, D.A.**, Cowgill, E., and Cooper, K.M., Geochemistry of modern continental back-arc basins and Triassic-Jurassic collision-induced back-arc spreading in the Caucasus, Abstract 74-12 presented at 2020 Annual Meeting, GSA, 26-30 Oct.
- Niemi, N.A., Cowgill, E., and **Vasey, D.A.**, The Greater Caucasus Mountains: A complete transect from active subduction to continental collision in a single orogenic system, Abstract 240-8 presented at 2020 Annual Meeting, GSA, 26-30 Oct.
- Vasey, D.A.**, Cowgill, E., and Niemi, N.A., 2019, The geology of cryptic sutures: An example from the Western Greater Caucasus, Abstract 141-11 presented at 2019 Annual Meeting, GSA, Phoenix, AZ, 22-25 Sep.
- Niemi, N.A., Cowgill, E., Tye, A., **Vasey, D.A.**, Midttun, N.C., Karsli, O., Babayan, H., Babayev, G., Gevorgyan, M., Godoladze, T., and Safarov, R., 2019, A low-temperature thermochronometric perspective on the subduction-to-collision transition in the Caucasus region, Abstract 168-4 presented at 2019 Annual Meeting, GSA, Phoenix, AZ, 22-25 Sep.
- Cowgill, E., Niemi, N.A., **Vasey, D.A.**, Young, E.K., and Trexler, C.C., 2018, The geologic record of slab break-off in continental collisions, Abstract 93-7 presented at 2018 Annual Meeting, GSA, Indianapolis, IN, 4-7 Nov.
- Vasey, D.A.**, Cowgill, E., Niemi, N.A., Godoladze, T., Javakhishvili, Z., Boichenko, G., and Skhirtladze, I., 2018, A microstructural and thermochronometric view of the early stages of continental collision from the Greater Caucasus in the Republic of Georgia, Abstract EGU2018-13030 presented at 2018 General Assembly, EGU, Vienna, Austria, 8-13 Apr.
- Cowgill, E., Niemi, N., Forte, A., Trexler, C., Tye, A., **Vasey, D.**, Young, E., Midttun, N., Boichenko, G., Javakhishvili, Z., and Godoladze, T., 2018, Formation of the Greater Caucasus by two-stage closure of a relict ocean basin and the transition from soft to hard Arabia-Eurasia collision, Abstract EGU2018-13324 presented at 2018 General Assembly, EGU, Vienna, Austria, 8-13 Apr.
- Vasey, D.A.**, Cowgill, E., Niemi, N.A., Godoladze, T., Javakhishvili, Z., Skhirtladze, I., and Boichenko, G., 2017, Did the basement-involved Main Caucasus Thrust form during Cenozoic Arabia-Eurasia collision?, Abstract T51H-06 presented at 2017 Fall Meeting, AGU, New Orleans, LA, 11-15 Dec.

Professional Experience

- 2016-Present **Teaching Assistant, University of California, Davis**, Davis, CA
(Courses Taught: GEL 60 – Earth Materials, GEL 101L – Structural Geology Lab, GEL 36 – Solar System, GEL 110 – Summer Field Geology, GEL 50L – Physical Geology Lab, GEL 103 – Field Geology, GEL 50 – Physical Geology Lecture, GEL 106 – Metamorphic Rocks; GEL 105 – Igneous Rocks)
- 2016 **Associate Instructor (Teaching Assistant), Indiana University Geologic Field Station**, Cardwell, MT (G429 – Field Geology in the Rocky Mountains)
- 2015-2016 **Prior Learning Assessment Advisor, Germanna Community College**, Fredericksburg, VA

2015 **Field Assistant, MIT Department of Earth, Atmospheric, and Planetary Sciences, Twisp, WA**

2014-2015 **English Teaching Assistant, Faculté Polydisciplinaire de Ouarzazate, Ouarzazate, Morocco (Courses Taught: Debate, English/French Translation, English for Tourism, British and American Educational Systems, Educational Technology, Teaching Writing and Grammar)**

Service

2021-Present UC Davis Department of Earth and Planetary Sciences Seminar Committee

2017-2021 UC Davis Graduate Student Association Representative