

Jessica M. DePaolis

Ph.D. Student

Department of Geosciences, Virginia Tech

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EDUCATION

Ph.D. Geosciences, Virginia Tech, Blacksburg, VA (anticipated) May 2023
M.S. Geosciences, Virginia Tech, Blacksburg, VA July 2019
B.S. Environmental Geology, University of Pittsburgh, Pittsburgh, PA May 2015

WORK EXPERIENCE

GIS Intern, Draper Aden Associates, Blacksburg, VA June-August 2018
Map Production Specialist, Uber Advanced Technology Group, Pittsburgh, PA Oct. 2016-July 2017
Geologist I, Tetra Tech NUS Inc., King of Prussia, PA Aug. 2015-Sept. 2016
Undergraduate Research Assistant, University of Pittsburgh Department of Geology and Planetary Science, Pittsburgh, PA Sept. 2014-May 2015

CERTIFICATIONS

GIS Certificate, University of Pittsburgh, Pittsburgh, PA May 2015
GTA Teaching Certificate, Virginia Tech, Blacksburg, VA May 2019

TEACHING EXPERIENCE

Teaching Assistant, Elements of Geology Fall 2018, Spring/Fall 2019, Fall 2020

- Present weekly lab lectures, grade labs, conduct lab activities, and assist with creating lab midterm and final exams

Teaching Assistant, Field Observations Spring 2020

- Assist the professor with weekly in-class lectures, provide students with guidance during in-class assignments, and help prepare lessons for virtual field trips to help students learn key geologic skills (i.e. strike and dip, identifying bedding planes, field sketches, proper note-taking, etc.)

Teaching Assistant, Oceanography Spring 2021

- Attend class lectures, aid professors during class, and grade weekly in-class and out-of-class assignments

CONFERENCE ABSTRACTS

Witter, R., **DePaolis, J.**, Haeussler, P., Bender, A., Curran, J., Hemphill-Haley, E., Leoni, M., LeWinter, A.L., Filiano, D.L. *Cycles of earthquake deformation on the Patton Bay Splay-Fault System implied by Late Holocene shoreline evolution on Montague Island, Alaska*. 2021 Seismological Society of America, Annual Meeting (April 2021)

DePaolis, J. *Investigating earthquake rupture history of the Cascadia subduction zone using coastal lacustrine diatoms, Lake Ozette, Washington, USA*. Geosciences Student Research Symposium, Virginia

Tech Department of Geosciences conference-style symposium. Blacksburg, VA (February 2021) oral - virtual

DePaolis, J., Witter, R., Dura, T., Bender, A., Haeussler, P., Curran, J., Leoni, M. *The application of diatom analysis to reconstruct coseismic uplift on Montague Island, Alaska.* GSA 2020 Connects Online Annual Fall meeting (October 2020) oral – virtual.

DePaolis, J., Witter, R., Dura, T., Bender, A., Haeussler, P., Curran, J., Leoni, M. *The application of diatom analysis to reconstruct coseismic uplift on Montague Island, Alaska.* Virginia Tech Hazards Day, Blacksburg, VA (September 2020) poster – virtual.

DePaolis, J., Witter, R., Dura, T., Bender, A., Haeussler, P., Curran, J., Leoni, M. *The application of diatom analysis to reconstruct coseismic uplift on Montague Island, Alaska.* Geosciences Student Research Symposium, Virginia Tech Department of Geosciences conference-style symposium. Blacksburg, VA (February 2020) oral.

DePaolis, J., Dura, T., MacInnes, B., Brennan, N., Ely, L.L., Cisternas, M., Tang, H., Fritz, H., Mizobe, C., Wesson, R.L., Horton, B.P, Pilarczyk, J.E., *Expanding the stratigraphic record of tsunami inundation on the semi-arid, siliciclastic, north-central coast of Chile.* Virginia Tech Hazards Day, Blacksburg, VA (September 2019) poster.

DePaolis, J., Dura, T., MacInnes, B., Brennan, N., Ely, L.L., Cisternas, M., Tang, H., Fritz, H., Mizobe, C., Wesson, R.L., Horton, B.P, Pilarczyk, J.E., *Expanding the stratigraphic record of tsunami inundation on the semi-arid, siliciclastic, north-central coast of Chile.* Geosciences Student Research Symposium, Virginia Tech Department of Geosciences conference-style symposium. Blacksburg, VA (February 2019) oral.

DePaolis, J., Dura, T., MacInnes, B., Brennan, N., Ely, L.L., Cisternas, M., Tang, H., Fritz, H., Mizobe, C., Wesson, R.L., Horton, B.P, Pilarczyk, J.E., *Expanding the stratigraphic record of tsunami inundation on the semi-arid, siliciclastic, north-central coast of Chile.* AGU Fall Meeting. Washington, DC (December 2018) oral.

DePaolis, J. and Chapman, M., *The mb(Lg) 3.9, September 13, 2017 Earthquake on the Virginia – West Virginia Border: A Significant Shock in the Giles County Seismic Zone.* SSA, Miami, FL (May 2018) poster.

DePaolis, J. and Chapman, M., *MBLG 3.9 SEPTEMBER 13, 2017 EARTHQUAKE IN THE GILES COUNTY SEISMIC ZONE.* Geosciences Student Research Symposium, Virginia Tech Department of Geosciences conference-style symposium, Blacksburg, VA (February 2018) oral.

PUBLICATIONS

DePaolis, J. M., Dura, T., MacInnes, B., Ely, L. L., Cisternas, M., Carvajal, M., ... & Weiss, R. (2021). Stratigraphic evidence of two historical tsunamis on the semi-arid coast of north-central Chile. *Quaternary Science Reviews*, 266, 107052.

FIELD EXPERIENCE

Paleoseismology and paleoenvironment investigation, Montague Island, Alaska (2 weeks) May 2019

Paleoseismology and land-level change investigation, Tolten, Chile (2 weeks)	Jan 2019
Paleoseismology and tsunami investigation, Pachingo, Chile (2 weeks)	July 2018
Geology Field Course, Kathmandu, Annapurna Range, Nepal (4 weeks)	May-June 2014

SERVICE

Graduate student representative, Dep. of Geosciences DEI committee	Oct 2020-present
Volunteer, Meals on Wheels (Radford/Fairlawn)	March-August 2020
Member, Department of Geosciences graduate student liaison committee	Sept 2019-May 2020
Mentor, Department of Geosciences undergraduate mentoring program	September 2019
Volunteer, Geosciences Student Research Symposium, Virginia Tech	Sept 2018-present
Volunteer, Virginia Tech Department of Geosciences GeoFair	October 2017, 2018
Speaker, James Madison University Women in Geosciences Panel	March 2018
Booth Organizer, Earthquakes in Virginia, Giles County, VA STEMposium	April 2018

PROFESSIONAL MEMBERSHIPS

Seismological Society of America (SSA)	2017-present
American Geophysical Union (AGU)	2017-present
Geological Society of America (GSA)	2020-present
Society for Sedimentary Geology (SEPM)	2021-present

SCHOLARSHIPS AWARDED

Department of Geosciences Petroleum Industry Summer Scholarship (\$2000)	May 2019
Department of Geosciences Wallace D. Lowry and Alumni Research Scholarship (\$1000)	February 2020
SEPM Foundation Student Assistance Grant (\$750)	March 2021