

Liam D. Toney

Email: ldtoney@alaska.edu

Phone: +1 360 305 8188

Web: liam.earth

EDUCATION

University of Alaska Fairbanks (UAF) | *Fairbanks, AK* | May 2020 (expected)

M.S. in Geophysics

Pomona College | *Claremont, CA* | December 2017

B.A. *cum laude* in Physics; minor in Geology

School for International Training | *Jaipur, Rajasthan, India* | August 2015–December 2015

Sustainable Development and Social Change program

RESEARCH EXPERIENCE

UAF Geophysical Institute | *Fairbanks, AK* | August 2018–present

Graduate Research Assistant

GNS Science | *Waikato, New Zealand* | April 2018–May 2018

Ashfall Geovisualization Developer

Sandia National Laboratories (SNL) | *Albuquerque, NM* | June 2017–August 2017

R&D Intern, Geophysics Department

Incorporated Research Institutions for Seismology (IRIS) | *Albuquerque, NM* | June 2016–August 2016

Summer REU Intern (placement at SNL as part of the IRIS Undergraduate Internship Program)

TEACHING EXPERIENCE

Breakthrough Collaborative | *Birmingham, AL* | June 2015–July 2015

Teaching Fellow

Pomona College | *Claremont, CA* | January 2014–May 2016

Teaching Assistant, Physics Department

PUBLICATIONS

Toney, L.D., R.E. Abbott, L.A. Preston, D.G. Tang, T. Finlay, and K. Phillips-Alonge. Joint body- and surface-wave tomography of Yucca Flat, Nevada using a novel seismic source, *Bull. Seismol. Soc. Am.* (Under review).

CONFERENCE PRESENTATIONS

Toney, L.D., D. Fee, M. Haney, R.S. Matoza, and K. Allstadt (2019), Seismoacoustic insights from the May 22nd, 2016 Iliamna volcano rock and ice avalanche, Abstract 47 presented at *2019 SSA Annual Meeting*, Seattle, WA, 23–26 April. (poster)

Toney, L.D., R.E. Abbott, and L.A. Preston (2017), Joint body-and surface-wave tomography of Yucca Flat, Nevada, Abstract S33A-0854 presented at *2017 AGU Fall Meeting*, New Orleans, LA, 11–15 Dec. (poster)

Toney, L.D., R.E. Abbott, H.A. Knox, L.A. Preston, and C.R. Hoots (2016), Surface-wave tomography of Yucca Flat, Nevada, Abstract S51A-2744 presented at *2016 AGU Fall Meeting*, San Francisco, CA, 12–16 Dec. (poster)

HONORS & AWARDS

Distinction in the Senior Exercise

Physics Department, Pomona College

Pomona College Scholar

Pomona College

Tileston Physics Prize

Physics Department, Pomona College

PROFESSIONAL AFFILIATIONS

American Geophysical Union | 2016–present

Seismological Society of America | 2019–present

TECHNICAL SKILLS

Coding

- Python
- MATLAB
- R
- Shell scripting
- GMT
- L^AT_EX
- Git
- HTML + CSS

Software

- ArcGIS
- Adobe Illustrator + Photoshop + InDesign
- GitHub

- macOS
- Windows
- CentOS

FIELDWORK

| Date | Duration | Activity | Location | Role |
|---------------|----------|-------------------------------|--|-----------|
| April 2018 | 1 day | Volcanic gas flux measurement | White Island, New Zealand | Assistant |
| April 2018 | 2 days | Microgravity survey | Mount Tongariro, New Zealand | Assistant |
| February 2018 | 1 week | Seismic deployment | Southland, New Zealand | Assistant |
| July 2016 | 1 week | Active-source seismic survey | Nevada National Security Site, Nevada, USA | Assistant |