

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., 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