

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. 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).

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

TECHNICAL SKILLS

Coding

- Python
- MATLAB
- R
- GMT
- L^AT_EX
- Git
- Basic HTML and CSS

Software

- ArcGIS
- Adobe Illustrator, Photoshop, InDesign
- GitHub
- macOS, Windows

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 |