

# Liam D. Toney

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## EDUCATION

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**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

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**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

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

Teaching Fellow

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

Teaching Assistant, Physics Department

## PUBLICATIONS

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**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

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**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

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### **Distinction in the Senior Exercise**

Physics Department, Pomona College

### **Pomona College Scholar**

Pomona College

### **Tileston Physics Prize**

Physics Department, Pomona College

## PROFESSIONAL AFFILIATIONS

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**American Geophysical Union** | 2016–present

## TECHNICAL SKILLS

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### **Coding**

- Python
- MATLAB
- R
- Shell scripting
- GMT
- L<sup>A</sup>T<sub>E</sub>X
- Git
- HTML + CSS

### **Software**

- ArcGIS
- Adobe Illustrator + Photoshop + InDesign
- GitHub
- macOS
- Windows
- CentOS

## FIELDWORK

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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