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BASIC INFORMATION

Country of citizenship: USA

EDUCATION

Columbia University/Lamont-Doherty Earth Observatory **Doctorate of Philosophy** (Seismology)	2018-2023
Master of Philosophy, Earth and Environmental Sciences (Columbia University)	2022
Master of Arts, Earth and Environmental Sciences (Columbia University)	2020
Bachelor of Arts, University of California, Berkeley Earth and Planetary Science/Geophysics; GPA 3.96 Highest Distinction in General Scholarship Highest Honors in Geophysics	2016-2018
Peralta Community Colleges	2015-2018
City College of San Francisco	2010-2016

AWARDS & RECOGNITIONS

Mendenhall Research Fellowship Program U.S.G.S. Moffett Field, Mountain View CA	2024-2026
National Science Foundation Graduate Research Fellowship	2020-2023
Brinson Foundation Fellowship	2019-2020
Departmental Citation, U.C. Berkeley Awarded for "contributions to the field of geophysics and commitment to the Department of Earth and Planetary Science"	2017
Charles H. Ramsden Endowed Scholarship Awarded to aid seismological research, U.C. Berkeley.	2017

REFEREED PUBLICATIONS

1. **Sawi, T.**, Waldhauser, F., Holtzman, B., Groebner N. (2023) *Detecting repeating earthquakes on the San Andreas Fault with unsupervised machine-learning of spectrograms.* The Seismic Record; 3 (4): 376–384. https://doi.org/10.1785/0320230033

2. **Sawi, T.**, Holtzman, B., Walter, F., & Paisley, J. (2022) *An unsupervised machine-learning approach to understanding seismicity at an alpine glacier.* Journal of Geophysical Research: Earth Surface, 127, e2022JF006909. https://doi.org/10.1029/2022JF006909

3. Carr B., Lev E., **Sawi, T.,** Bennett K., Edwards C., Soule A., Vargas S., Marliyani G., Clarke A., (2021) *Mapping and classification of volcanic deposits using multi-sensor Unoccupied Aerial Systems.* Remote Sensing of Environment 264, 112581. https://doi.org/10.1016/j.rse.2021.112581

4. **Sawi, T.,** and M. Manga (2018) *Revisiting short-term earthquake triggered volcanism.* Bulletin of Volcanology. 80. https://doi.org/10.1007/s00445-018-1232-2

CONFERENCE PRESENTATIONS

1. **Sawi, T**., Waldhauser, F , Holtzman B., Groebner, N., *Detecting Repeating Earthquakes on the San Andreas Fault with Unsupervised Machine-Learning of Spectrograms*. (2023) Workshop on Earthquake Physics and Applications of Machine Learning to Tectonic Faulting, 18-22 Sep. Rome, Italy.

2. **Sawi, T**., Waldhauser, F , Holtzman, B., Groebner, N., *A Semi-Supervised Machine-Learning Approach to Detecting Repeating Earthquakes on the San Andreas Fault*. (2023) SSA Annual Meeting, Puerto Rico.

3. **Sawi, T**., Waldhauser, F , Holtzman, B., Beauce, E.., Wang, K., Groebner, N. (2022). *A Semi-Supervised Machine-Learning Approach to Detecting Repeating Earthquakes on the San Andreas Fault*. AGU Fall Meeting, Chicago.

4. Wang, K., Waldhauser, F., **Sawi, T**., Beauce, E., Schaff, D.P., Groebner, N., Tolstoy, M., Wilcock, W.S. and Tan, Y.J. (2022). *Mining a large earthquake catalog at Axial Seamount with unsupervised spectral feature extraction method*. AGU Fall Meeting, Chicago.

5. Saltiel, S., McCarthy, C., Holtzman, B., **Sawi, T**., & Savage, H. (2021). *Characterization of seismicity over a range of subglacial slip conditions: laboratory investigation of ice stick-slip acoustic emissions.* In AGU Fall Meeting Abstracts (pp. S55B-0132).

6. Birnbaum, J., Carchedi, C., Lee, M., **Sawi, T**., & Russell, J. (2021). *Browser-based Visualization of Seismic Records to Build Seismogram Literacy.* In AGU Fall Meeting Abstracts (pp. ED15A-0521).

7. Holtzman, B., Groebner, N., **Sawi, T.**, Xing, T., Pec, M., Ghaffari, H., Mok, U., Skarbek, R., Paisley, J., Mittal, T., Waldhauser, F., Beauce, E., & Barth, A. (2021). *Unsupervised spectral feature extraction applied to acoustic emissions during brittle creep of basalt under dry and wet conditions.* In AGU Fall Meeting Abstracts (pp. H12E-04).

8. **Sawi, T**., DeShon, H., Ogwari, P., & Quinones, L. (2017). *Imaging fault structure using cross-correlation and relative earthquake location from the IRIS Wavefields community dataset in Oklahoma.* In AGU Fall Meeting Abstracts (pp. S23C-0833).