

Stanford



Nathan Girmay

Ph.D. Student in Civil and Environmental Engineering, admitted Autumn 2023

Bio

HONORS AND AWARDS

- Shah Fellowship on Catastrophic Risk, Stanford University
- EDGE Doctoral Fellow, Stanford University

EDUCATION AND CERTIFICATIONS

- Master of Science, Stanford University , Structural Engineering (2023)
- Bachelor of Science, Georgia Institute of Technology , Civil Engineering (2019)

LINKS

- Personal Website: <https://www.nathangirmay.com/>
- Google Scholar: <https://scholar.google.com/citations?user=icKSHZ4AAAAJ&hl=en>

Publications

PUBLICATIONS

- **Evaluation of directionality in physics-based ground motion simulations of strike-slip earthquakes** *EARTHQUAKE SPECTRA*
Girmay, N., Poulos, A., Miranda, E.
2025; 41 (1): 436-456
- **Directionality and polarization of response spectral ordinates in the 2023 Kahramanmaras, Türkiye earthquake doublet** *EARTHQUAKE SPECTRA*
Girmay, N., Poulos, A., Miranda, E.
2024; 40 (1): 486-504
- **Orientation and intensity of maximum response spectral ordinates during the December 20, 2022 Mw 6.4 Ferndale, California earthquake** *SOIL DYNAMICS AND EARTHQUAKE ENGINEERING*
Girmay, N., Miranda, E., Poulos, A.
2024; 176
- **Evaluation of Seismic Demand on Bridge Nonstructural Components Using ASCE 7** *Fifth International Workshop on the Seismic Performance of Non-Structural Elements (SPONSE)*
Girmay, N., Tumbleva, M., Do, T., Ojala, D. R.
2022