

Stanford



Nikki Seymour

Postdoctoral Scholar, Geological Sciences

 Curriculum Vitae available Online

Bio

BIO

My research primarily addresses the structural and thermal evolution of highly deformed continental crust. I am strongly field-oriented and particularly interested in the relationship between igneous & metamorphic processes and deformation from outcrop to regional scales, the influence of pluton emplacement on fault behavior, tectonic and metamorphic processes driving continental rifting and subduction, and processes that transport metal through the crust to form economic deposits.

HONORS AND AWARDS

- NSF Postdoctoral Fellow, National Science Foundation (2020-2022)

PROFESSIONAL EDUCATION

- Master of Science, University of Texas Austin (2015)
- Bachelor of Business Admin, University of Texas Austin (2009)
- Doctor of Philosophy, Colorado State University (2020)

STANFORD ADVISORS

- Martin Grove, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Magnitude, timing, and rate of slip along the Atacama fault system, northern Chile: implications for Early Cretaceous slip partitioning and plate convergence** *JOURNAL OF THE GEOLOGICAL SOCIETY*
Seymour, N. M., Singleton, J. S., Gomila, R., Mavor, S. P., Heuser, G., Arancibia, G., Williams, S., Stockli, D. F.
2021
- **The Relationship Between Magmatism and Deformation Along the Intra-arc Strike-Slip Atacama Fault System, Northern Chile** *TECTONICS*
Seymour, N. M., Singleton, J. S., Mavor, S. P., Gomila, R., Stockli, D. F., Heuser, G., Arancibia, G.
2020; 39 (3)
- **Laramide subduction and metamorphism of the Orocopia Schist, northern Plomosa Mountains, west-central Arizona: Insights from zircon U-Pb geochronology** *GEOLOGY*
Seymour, N. M., Strickland, E. D., Singleton, J. S., Stockli, D. F., Wong, M. S.
2018; 46 (10): 847–50
- **Tracing the thermal evolution of the Corsican lower crust during Tethyan rifting** *TECTONICS*
Seymour, N. M., Stockli, D. F., Beltrando, M., Smye, A. J.
2016; 35 (10): 2439–66