

Joneel Zinto

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Education

B.S. in Earth Science – Geology Emphasis

December 2021

University of California, Santa Barbara

Research Interests

Use U-Pb geochronology analytical methods for investigations into tectonics and the sedimentary record.

Current Master's research project: U-Pb calcite standard

Research Experience

- **July-September 2022 & Present** Field assistant for PhD student Adrian Tasistro-Hart, and research into the Tonian to Ediacaran glacial and tectonic history of Namibia. Work included geologic mapping, measuring sections, sample collecting, and drone imaging. Present tasks involve sample processing for detrital zircon/absolute zircon ages, shale Nd isotope geochemistry, and carbonate chemostratigraphy
- **August 2021-Present** Sedimentary and detrital zircon analysis of the Ediacaran McCoy Creek Group in the western United States; insights into the glacial and tectonic Neoproterozoic to Cambrian margin of western Laurentia. Work is coordinated under Francis Macdonald, myself, and PhD student Eliel Antilla.
- **January 2021** Field assistance for master student Sam Lobianco, detrital zircon, and tectonic analysis of Meso-Neoproterozoic Pahrump Group in the southeastern Death Valley area

Conference Presentations

Oral Presentations

Zinto, J., et al. (March, 2022) *TECTONOSTRATIGRAPHIC ANALYSIS OF THE NEOPROTEROZOIC MCCOY CREEK GROUP IN THE NORTHERN EGAN RANGE, EASTERN NEVADA*. Neo-Insights into the Neoproterozoic of Western North America. GSA Joint Cordilleran Meeting 2022, Las Vegas, Nevada.

Poster Presentations

Zinto, J., et al. (October, 2021) *TECTONIC AND STRATIGRAPHIC MAP OF LATE NEOPROTEROZOIC MCCOY GROUP AT COCOMONGO MOUNTAIN, EGAN RANGE, NEVADA*. Poster presented at GSA Connects 2021, Portland, Oregon.

Publications

Macdonald, F., **Zinto, J.**, Antilla, E., Britt, M., (Draft produced, 2022) *The Real McCoy: New Constraints on the Tectonic Evolution of the Late Neoproterozoic Western Laurentian Margin from The McCoy Creek Group of Northern Nevada*. Manuscript in preparation.

Professional Experience

Lab Assistant

Earth Science – University of California, Santa Barbara

December 2021- Present

- Handling and processing sample material for zircon geochronology, carbonate chemostratigraphy, and shale neodymium isotope geochemistry
- Maintaining supplies, conditions, and etiquette within the lab room
- Advising undergraduates through sample processing methods

Teaching Assistant

Earth Science – Santa Barbara City College

- **Fall Semester 2019** Energy and Natural Resources teaching assistant
- **2018-2019** Tutored for various field classes to the Eastern Sierras, Death Valley, the Colorado Plateau, and summer field modules.

Awards in Geology

University of California, Santa Barbara

- The Department Field Award, 2021.
- The Outstanding Academic Achievement Award, 2021

Santa Barbara City College

- Earth Science Community Outreach Award, 2019
- Earth Science Community Outreach Award, 2018.
- Ronald A Chromy Memorial Scholarship, 2018.
- Doug McGibbon Field Award, 2018.
- Academic Achievement Award, *California Coastal Chapter American Petroleum Institute, 2018.*

References

Francis Macdonald, Professor of Geology

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