

Sebastian Cangahuala
(909)-675-9043; caribbeanmonkseal@gmail.com

Education

Rutgers University, New Brunswick, NJ: September 2025-
Degree: M.S., Earth and Planetary Sciences
Specialization: Petrology and Planetary Science

Case Western Reserve University, Cleveland, OH: August 2020 – August 2024
Degree: B.S., Geological Sciences
Minor: Evolutionary Biology
Cumulative GPA: 3.55

Work Experiences

Jet Propulsion Laboratory: Summer 2026, Pasadena, CA
Analysis of petrographic characteristics and chemical compositions of shergottite, nakhlite, chassignite, and lunar achondrite meteorites for Dr. Yang Liu

Jet Propulsion Laboratory: Summer 2025, Pasadena, CA
Assert accuracy of Multispectral Microimager as a proposed instrument for the Moon Diver project for Dr. Laura Kerber

Pomona College, Research Assistant: September 2024 – May 2025, Claremont, CA
Assist Dr. Jade Star Lackey with XRF bulk analyses and halogen analyses on rock samples from Sequoia, Kings Canyon, and the Sierras

Jet Propulsion Laboratory: Summer 2024, Pasadena, CA
Create elemental maps via SEM on samples for the Moon Diver project for Dr. Laura Kerber

Ohio State University, Research Intern: Summer 2023, Wooster, OH
Perform specialty crop entomology research for integrated pest management projects with Dr. Ashley Leach

Case Western Reserve University, Research Intern: Summer 2022, Cleveland, OH
Perform geological research experiments with Dr. George Amulele and Dr. James Van Orman for high-pressure metamorphic projects

Case Western Reserve University, Research Assistant: Fall 2021 – Spring 2022, Cleveland, OH

Assist with preparation of materials for project on the fate of banded iron formations with Dr. George Amulele

Academic Experiences

Senior Research Project: High Conductivity in Deep Subducted Continental Crust
Case Western Reserve University, Spring 2023 – Spring 2024

Geological Conference: 8th VolcaNYC Symposium

CUNY Graduate Center, January 2026

Presented on evolution of pre-eruptive sulfur contents of Columbia River Basalt Lavas

Skills

- MATLAB
- Multi-anvil Press Operation
- Scanning Electron Microscopy

Extracurricular Activities

CWRU Geological Society: Treasurer, August 2023 – May 2024

Academic Publications

Vourlitis, G.L.; van der Veen, E.L.; **Cangahuala, S.**, et al. Examining Decomposition and Nitrogen Mineralization in Five Common Urban Habitat Types across Southern California to Inform Sustainable Landscaping. Urban Sci. 2022, 6, 61.

<https://doi.org/10.3390/urbansci6030061>

Awards

April 2024	Carol W. Walker Award for Outstanding Senior Project in the Department of Earth, Environmental, and Planetary Sciences
April 2024	CWRU Dean's High Honors List
March 2024	CWRU Scholar of Distinction
March 2023	CWRU Scholar of Distinction
February 2023	CWRU Dean's High Honors List
March 2022	CWRU Scholar of Distinction
March 2022	CWRU Dean's Honors List