Arlaine Sanchez

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Education	**Rithm School – Full-Stack Engineering Program**	*Nov 2022 - present*
	Stony Brook University – Stony Brook, NY	*Aug 2022*
	Master's in Marine & Atmospheric Sciences – Thesis: "Evaluating the geochemistry and habitability of Eridania basin, Mars: An Icelandic vent analogue"	
	University of Nevada, Las Vegas – Las Vegas, NV	*May 2019*
	Bachelor of Science in Geoscience - *summa cum laude*	

Experience	**Graduate Research Assistant**	*Aug 2020 – Aug 2022*
	Price Research Group, Stony Brook University	

- Organized and led field/sampling expeditions, and designed methodologies for Mars astrobiology research
- Disseminated research to the public via conference presentations (AbSciCon & Lunar and Planetary Science Conference) and published articles

Planetary Geochemist Intern *Aug 2019 – Dec 2019*
Astromaterials Research and Exploration Science Division, Johnson Space Center

- Assisted in data collection and analyses for two research projects on Mars aqueous geochemistry and petrology

Lab/Research Assistant *Oct 2017 – Jun 2019*
Hausrath Research Group, University of Nevada, Las Vegas

- Designed geochemical experiments investigating Mars surface processes, utilizing powder X-ray diffraction, spectrometry, and complex kinematic equations to analyze 140+ samples
- Assisted multiple graduate students and professors in individual research and data collection

Skills

Communication

- Experience in reporting and presenting research data to public/professional audiences via journals and scientific conferences
- Experience in writing technical proposals for research funding

Technical

- Proficient in Microsoft Word, Excel, and Adobe Illustrator
- Experience in operating complex analytical instruments, digital image processing, and geographic spatial analyses

Programming Languages

JavaScript · Python