

Daniel Spears

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Permanent: 2236 Roosevelt Ave, Apt C Berkeley, CA 94703

Education:

University of California - Berkeley

Ph.D.: Earth and Planetary Science

Berkeley, CA
08/2019 - Present

Michigan State University

Bachelor of Science: Chemistry

Bachelor of Science: Environmental Studies and Sustainability

East Lansing, MI

Work Experience:

Lawrence Livermore National Laboratory Internship

Summer Student Intern – High Energy Density Physics

Livermore, CA
05/2020 – 08/2020

- A 14-week summer program to develop graduate research skills and work directly with LLNL mentors to explore HEDP projects. Took professional development seminars, as well as a large range of research seminar to broaden our education horizons.
- Worked under Dr. Marius Millot examining different drives for Dynamic Compression experiments using Helium as a medium.
- Developed a workable knowledge of Igor Pro and VISAR Analysis methods.

Rocky Mountain Conservancy- Conservation Corps

Crew Leader

Estes Park, CO
05/2019 - 08/2019

- Working with and underneath the United States Forestry Service, and United States Parks Service, conducting work maintaining and building trails in the Rocky Mountains.
- My crew mainly worked out of the Rocky Mountain National Park. We worked in the department of Historic Preservation with two NPS members.
- I lead a team of 5 members for a 12 week period.

Michigan State University Learning Assistant

Student Teaching Assistant

4 semesters

East Lansing, MI
Fall 2017, Summer I and II 2018, Spring 2019

Ability to interact with students in a lecture setting, and to be sure they understand the material by answering any questions they might have.

- Hold help room hours to help students better understand materials covered
- Grading short answer exam questions

Michigan State University Summer Research Opportunities Program (SROP)

Summer Intern Chemistry Department

East Lansing, MI
05/2018-07/2018

- Participated in 10-wk residential program for students interested in graduate study
- Participated as a peer evaluator during weekly student research presentation

Michigan State University Teaching Chemical Stockroom

Stockroom Attendant

East Lansing, MI
08/2016-05/2019

- Extensive knowledge of chemical glassware, and most instruments.
- Assist a multitude of students in undergraduate labs.
- Knowledge of safety and uses for chemicals within the stockroom.

Work Experience Continued:

Rocky Mountain Conservancy- Conservation Corps

Estes Park, CO

Crew member

05/2017 - 08/2017

- Working with and underneath the United States Forestry Service, and United States Parks Service, conducting work maintaining and building trails in the Rocky Mountains.
- My crew mainly worked out of the Arapaho Forest, we did heavy lifting of rocks and the uses of many tools were learned. With a focus on sustainability of our national parks and forests.
- A strong focus in sustainability and national park/national forest conservation.

Leadership Experience:

Kappa Kappa Psi – National Band Service Fraternity

East Lansing, MI

Zeta Epsilon Chapter Vice President of Membership

01/2016-05/2019

- Lead new member candidates through the membership process.
- Acted as President in the case the President is unable to be present.
- Lead all membership and recruitment activities.
- Co-Lead the committee for membership, a group of 4-6 people.

Michigan State University – Taekwondo Club

East Lansing, MI

Member

08/2017-05/2019

- Strong discipline, punctuality and loyalty and developed through practice.
- Leadership is developed through leading your peers inside and outside the club.

Michigan State University – Air Force ROTC

Cadet

08/2014-01/2016

- Through lessons, and military lifestyle and education, leadership was a core aspect of being a cadet.
- Semesters of leadership within leading your class or squadron.

American Chemical Society, Member

08/2018 - Present

Wilderness First Aid Certification

05/2019 – Present

Presentations:

Oral Presentation “Indirect vs Direct Drive: A Study Through Helium Shots” **End of Summer Talks**, Summer 2020

Oral Presentation “Materials at Extreme Pressures: Using Shock Experiments” **SLAM! Presentations/ LLF Presentations**, Summer 2020

Oral presentation “Synthesis toward Nylon 6 from Glucose” **SROP Final Presentations**, Summer 2018

Awards:

Walter R. and Margaret W. Yates Memorial Scholarship for Summer Research

June 2018

Bradford-Adams Endowment Scholarship

May 2017