**Jessica Elaine Weil Brown**

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**EDUCATION**

**Washington University in St. Louis Expected: May 2024**

A.B. Major in Earth and Planetary Science: Geochemistry *St. Louis, MO*

GPA 3.78

Relevant Coursework:

L07 Chem 261; Organic Chemistry I with Lab; Fall 2021

L19 EEPS 340; Minerals, Rocks resources and the Environment; Fall 2022

L19 EEPS 441; Intro to Geochemistry; Fall 2022  
L19 EEPS 442; Aqueous Geochemistry; Fall 2022

L19 EEPS 353; Earth Forces (Geophysics); Spring 2023

L19 EEPS 317; Soil Science; Spring 2023

L19 EEPS 446; Stable Isotope Geochemistry; Fall 2023

L19 EEPS 511; Minerals in Aqueous Environments; Spring 2024

L19 EEPS 496; Undergraduate Field Geology; Spring 2024

**UC Berkeley** **Summer 2022 & 2023**

*Summer Visiting Student Berkeley, CA*

Relevant Coursework:

Physics 8A; Intro Physics; Summer 2022

Physics 8B; Intro Physics; Summer 2023

**RESEARCH EXPERIENCE**

**Fike Lab at Washington University Sep 2023 – Present**

*Undergraduate Research Assistant St. Louis, MO*

PI: Dr. David A. Fike

* Obtaining δ34S values for pyrite to provide insight into current sulfur cycle research.
* Preparing samples for gas bench IRMS and performing subsequent data analysis.
* Updating lab protocol instructions.

**TEACHING**

**Undergraduate Teaching Assistant Aug 2023 – Dec 2023**

Course: L19 EEPS 219 Energy and the Environment; Fall 2023  *St. Louis, MO*

Instructor: Dr. Michael Wysesssion

* Assisted students with assignments about global climate and energy issues in office hours.
* Graded homework assignments, proctoring student assessments.

**Undergraduate Teaching Assistant Jan 2024 - Present**

Course: L19 EEPS 131 Energy and the Environment; Fall 2023  *St. Louis, MO*

Instructor: Dr. Douglas Weins

* Working collaboratively with the instructor to create and apply grading rubrics

for assignments and exams.

**SERVICE**

**Academic Integrity Committee**

*Student Member*  **Nov 2021 – Present**

*St. Louis, MO*

* Evaluating academic integrity violations as a student panelist.
* Analyzing academic integrity policy and applications.
* Created an informational video for incoming students.

**Women’s Water Polo**

*Vice President*  **May 2023 – Present**

*Equipment Chair* **May 2022 – May 2023** *St. Louis, MO*

* Structuring and managing team leadership and planning all team travel for tournaments.
* Communicating with companies to order and distribute all merchandise and equipment.
* Training new players.

**Orphan Dog Rescue**

*Senior Volunteer* **2015 – 2019**

*San Rafael, CA*

* Facilitated and processed adoptions.
* Socialized, cared for, trained, and microchipped hundreds of adoptable dogs weekly.
* Trained and delegated tasks to new volunteers at adoption events.
* Participated in two 30 hour spay/neuter clinics for low-income pet owners in Clearlake, CA.

**Crossroads Program**

*Fellow and Tutor* **Aug 2018 – Dec 2018**

*San Rafael, CA*

* Designed and taught an after-school science class to middle schoolers about biology and

veterinary anatomy.

**WORK EXPERIENCE**

**West End Animal Center**

*Veterinary Technician* **Jul 2019 - Jan 2022**  *San Rafael, CA*

* Performed veterinary procedures, monitored animals under anesthesia, helped perform radiology,

and ran samples in our in-house lab.

* Managed and maintained the cleanliness of the clinic.
* Navigated client relationships by working customer service at the front desk and leading appointments.

**SKILLS**

* Languages: Proficient in Spanish
* Technical: Proficient in Microsoft Excel and ArcGIS Pro