

Constance Sauvé

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Education

University of Utah, Salt Lake City, UT (Fall 2022- present)

B.S. Geology, Honors Ecology and Legacy Minor

- Dean's List, GPA 4.0

Corner Canyon High School, Draper, Utah (2021-2022)

- Graduated with Honor

Colegio San Silvestre, Lima, Perú (2017-2020)

Relevant Research Experience

Department of Biology, University of Utah (January 2023- present)

Collect soil and microbialite samples, isolate genes using single worm lysis, perform PCR procedure and DNA gel electrophoresis to understand the biogeography of nematodes in the Great Salt Lake and Lake Bonneville remnants.

Department of Geology and Geophysics, Texas A&M University, College Station, TX

(August 2023)

Constructed Diamond Anvil Cell (DAC) to hold frozen melt of Fe-bearing Ca-pv and used Brillouin spectroscopy measurements to analyze and present pressure dependence of velocities of basaltic wollastonite in Lower Mantle.

Cactus Collection Field Trip, Science Research Initiative (SRI), University of Utah

(June 2023)

Collected seeds and fruits for cactus propagation and species preservation in the Great Basin and Sonoran Deserts. Forecasted cactus response to climate change using local climate and geographies and surrounding human impact.

Work Experience

Horticulture and Riverbank Agent, City of Salaberry-de-Valleyfield (May-August 2022)

Supervised maintenance of green spaces, identified diseased plants and characterized data on invasive and dominant species. Operated hand tools and heavy machinery to preserve canal banks.

Selected Honors:

Greenlee Award (2023)

Society of Exploration Geophysicists (SEG) Earth Sciences Scholarship (2023)

Utah Merit Scholarship (2022-present)

University of Utah Department of Geology and Geophysics Scholarship (2023)

SRI Research Award (2022 & 2023)

College of Mines and Earth Sciences Scholarship (2022 & 2023)

Extracurricular Involvement:

Gas Expert and Treasurer for the Mine Rescue Team at the University of Utah (2022-present)

Manager of Enlaza Caminos, English-Spanish language school (2020-present)

Society of Economic Geologists Member and participant in the Laurentian University 2023 Field Trip (2023-present)

College of Mines and Earth Sciences Assembly Representative for the Associated Students of the University of Utah (2022-2023)

Colorado School of Mines Mine Rescue 2023 MERD Collegiate Competition (2023)

National Honors Society (2021-2022)

Dhirubhai Ambani “Finding Common Ground” India-Perú Conference (2020)

Rockport School’s (Belfast) Round Square Global Conference (2019)

Tutor in French, English, and Spanish (2017-2020)

Certified Courses: World Literature, Harvard University; Handwriting Analysis, offered by Paresh P Chitnis; Introduction to Psychology, Yale University (2020-2021)