

Education

Stanford University | Stanford, CA | September 2022 – present
Program: Earth and Planetary Sciences, PhD (pre-candidacy)
Advisors: Dr. Martin Grove and Dr. Ayla Pamukcu

University of Washington | Seattle, WA | August 2020 – June 2022
Degree: Bachelor of Science in Earth and Space Sciences - Geology with Honors | Magna Cum Laude
GPA: 3.90

North Seattle College | Seattle, WA | September 2017 – August 2020
Degree: Associate of Sciences
GPA: 3.87

North Hennepin Community College | Brooklyn Park, MN | January 2016 – August 2017
Degree: Liberal Arts and Sciences AA with Honors
GPA: 4.00

Research and Presentations

Pluton Assembly in a Continental Rift Setting, Catalina Island, California, USA
Proposed PhD research project

Paleothermometry of an Enigmatic Travertine Deposit: Cottonwood Travertine, Stillwater Range, Nevada
48th Workshop on Geothermal Reservoir Engineering | Conference Talk | February 7th, 2023
University of Washington Undergraduate Research Symposium | Poster Presentation | May 20th, 2022

Utilizing Machine Learning and Matched Filter Techniques to Expand the 2011-2012 Summerville, South Carolina Earthquake Catalog
American Geophysical Union Annual Meeting | Virtual Poster Presentation | December 16th, 2021

The Impact of Glaciogenic Subsidence on the Meridian Avenue Basin
American Association for the Advancement of Science Annual Meeting | Poster Presentation and
Lightening Talk | February 14th, 2020

Publications

Jackson et al. (2023) | *Paleothermometry of an Enigmatic Travertine Deposit: Cottonwood Travertine, Stillwater Range, Nevada*
Proceedings 48th Workshop on Geothermal Reservoir Engineering, Stanford University

Callahan et al. (2023) | *High-Resolution Structure-from-Motion Models of Hydrothermal Sites in the Central Nevada Seismic Belt: Applications in Hydrothermal, Paleoclimate, and Neotectonic Investigations*
Proceedings 48th Workshop on Geothermal Reservoir Engineering, Stanford University

Teaching Experience

- Stanford University | GEOLSCI 42 Moving and Shaking in the Bay Area | Teaching Assistant | Autumn Quarter, 2022
- North Seattle College | UGR 294 Undergraduate Research | Teaching Assistant | Full Academic Year, 2019 – 2020

- North Seattle College | GEOL 208 Geology of the Pacific Northwest | Laboratory Assistant and Guest Lecturer | Summer Quarter, 2019

Laboratory Experience

- University of Washington | IsoLab Stable Isotope Laboratory | Undergraduate Research Assistant | September 2021 – August 2022

Fellowships, and Scholarships, and Awards

- 2023 Geological Society of America Research Grant with Outstanding Mention
- 2023 - 2027 Stanford University Doerr School of Sustainability Dean's Grad Scholars (1st Cohort)
- 2023 - 2027 Stanford University EDGE Doctoral Fellowship (2nd Cohort)
- 2022 University of Washington Douglas E. Merrill Prize for Excellence
- 2022 University of Washington Julian D. and Marajane Barksdale Endowed Fund and the Joseph A. Vance Endowed Student Support Fund
- 2022 University of Washington Office of Minority Affairs and Diversity Merit Award Scholar
- 2021-2022 University of Washington Department of Earth and Space Sciences Afton Woolley Crooks & James William Crooks Endowed Scholarship in Geological Sciences
- 2021-2022 North Seattle Lapidary and Mineral Club Annual Scholarship
- 2020 - 2022 University of Washington College of Environment Nancy Wilcox Scholarship
- 2020 Association of Women Geoscientists Janet Tanaka Cullen Award
- 2018 - 2020 National Science Foundation Ready Set Transfer Scholarship

National Science Foundation Research Experiences for Undergraduates (NSF REU)

- Georgia Institute of Technology | Incorporated Research Institutions for Seismology (IRIS) Internship | Geophysics Department | Advisor: Dr. Zhigang Peng
- University of Hawaii at Manoa | Virtual REU Lite Internship | Earth Science Department | Advisor: Dr. Bridget Smith-Konter

Clubs and Committees

- Stanford Earth Explorers Vice – President and Financial Officer | Stanford University | January 2023 - present
- Undergraduate Diversity, Equity, and Inclusion Committee Representative | September 2021 – June 2022 | University of Washington Department of Earth and Space Sciences |
- GeoClub Vice President | August 2021 – present | University of Washington Department of Earth and Space Sciences

Professional Affiliations

- Geological Society of America
- American Geophysical Union
- Association of Women in Geoscience

Whole Foods Market Employment History

Produce Team Member | Seattle, WA | September 2017 - October 2021

- Proudly served as an essential worker throughout the Covid-19 pandemic
- Stocked and maintained colorful and cohesive produce displays
- Complied with USDA Organic Standards outlining production and handling of organic produce
- Provided excellent customer service by locating product and answering questions regarding ripeness and cooking techniques
- Trained and provided a welcoming environment for new Team Members
- Dedicated to creating a positive, hardworking environment with high team morale

Store Shift Leader | Minneapolis, MN | January 2013 - September 2017

- Fielded complaints while relating to the customer to solve the problem and ensure return business
- Tended to and reported Team Member and customer incidents, illnesses, and injuries as they arose
- Assisted all departments in cleaning and equipment maintenance, including placing service calls and directing maintenance technicians
- Opened and closed store for business, including securing building and cash safes

Customer Service Team Leader | Minneapolis, MN | November 2012 - September 2017

- Interviewed, selected, trained, and developed Customer Service Team Members based on a futuristic vision for the team, including several who have advanced through Whole Foods Market and others who are successfully benched for succession
- Produced weekly schedules for 30-40 Team Members based on availability, job duties, vacation requests and daily sales projections
- Scheduled job reviews, meetings, trainings, and conference calls using Outlook calendar
- Maintained a positive working environment and high team moral, reflected in consistently high Customer Service Team Leader Leadership Survey scores
- Audited and processed time-sensitive payroll documents on a weekly basis
- Generated several training materials including original Word documents, PowerPoint presentations and Excel spreadsheets to increase customer service, explain new policies and procedures, generate budgeting tools and maintain a cohesive, informed and harmonious team
- Analyzed and adjusted staffing and scheduling needs by adapting to sales fluctuations from \$520K low to \$750K+ high to meet company labor targets
- Responded to or forwarded incoming customer e-mails through WholeFoodsMarket.com
- Performed all duties of a Customer Service Supervisor and Cashier

Customer Service Cashier & Supervisor | Minneapolis, MN | May 2008 - September 2017

- Resolved customer complaints, passed along customer compliments, and processed item returns
- Assisted customers with product location and general Whole Foods Market questions
- Answered all incoming phone calls, determined nature of calls, and directed calls to the appropriate department
- Validated visitors and vendors, issued passes, announced their arrival and directed them to appropriate location
- Deposited and verified daily cash balances
- Created Focus Group Contests to inspire a competitive spirit to help the team reach its goals
- Delivered consistently excellent customer service and accurate cash/tender handling

Prior Work Experience

Mobile Energy Team Member

Red Bull North America | St. Paul, MN | March 2006-May 2008

- Promoted Red Bull Energy Drink in Minnesota, eastern Wisconsin, and northern Iowa by sampling product throughout each state and at various Red Bull sponsored sporting and music events across the country
- Engaged and educated consumers on the ingredients and benefits of Red Bull Energy Drink
- Drove commercialized company vehicle while adhering to all local, state and national safety and driving laws and maintaining exterior and interior vehicle cleanliness
- Demonstrated consistently high energy levels and upbeat, outgoing attitude to serve as an authentic brand ambassador

Requisition Manager & Cashier

Student Bookstore | Minneapolis, MN | May 2005-March 2006

- Communicated with University of Minnesota professors to ensure accurate, complete textbook lists for students

- Received online purchase orders, packaged product according to PO, created shipping labels and invoices and facilitated USPS and UPS pickups and drop offs
- Delivered excellent customer service on sales floor to help students locate their textbooks and provided checkout service as needed

Research Interviewer

University of Minnesota School of Public Health | Minneapolis, MN |September 2004-May 2005

- Conducted randomized public health research surveys via telephone communication
- Prescreened applicants for eligibility in clinical research studies conducted at the university
- Collected sensitive health information from research participants while upholding their confidentiality and displaying ethical, professional conduct