VED N. BHOOT

EDUCATION

B.A.   University of California, Berkeley   August 2016 – May 2018
Environmental Earth Science

A.A.   Pasadena City College   August 2014 – May 2016
Natural Sciences

Certificate, Data Science   UC Berkeley Extension   June 2019 – Summer 2020
Python, R, Machine Learning, Data Analysis

RESEARCH EXPERIENCE

Research Assistant
Lawrence Berkeley National Laboratory   November 2018 - Current
- Predicting coastal algal blooms in Southern California using Empirical Dynamic Modeling and a machine learning algorithm.
- Mass spectrometry in watershed function research and natural gas signatures.

Cal Energy Corps Intern
University of California, Berkeley   June 2018 - August 2018
Lawrence Berkeley National Laboratory
- Fixing Meteorological Recordings from Gauges by the Sierra Nevada Cosumnes Basin

Volunteer Undergraduate Research Assistant   June 2017 – June 2018
Lawrence Berkeley National Laboratory
- Frequency based data analysis to understanding drivers of functional diversity in a functional type forest model.

PROFESSIONAL AFFILIATIONS

America Geophysical Union   December 2019

COMMUNITY SERVICE

Eaton Canyon Nature Center
Garden and Trail Preservation Volunteer   Fall 2015 - Summer 2016

ACCOLADES

Dean's Honors/List   Spring 2015 / Spring 2018

SKILLS

Programming: R, Python
Machine Learning, statistical modeling, data management, and data analysis

Laboratory: Mass spectrometry assistant
Shlenk line water extraction (H, O, dissolved inorganic C), exchange resin ion elution (sulfate S), flammable gas preparation (C, H), sample loading, and data collection