

MADISON ALVAREZ

Madison is a passion-driven engineer looking to make a difference in the world. She holds 3 years of relevant work experience, including international collaboration and large scale projects. Her strong leadership personality is marked by effective communication and her ability to face challenges head on. As a champion of diversity, Madison aspires to grow through future opportunities in a global capacity.

DEVELOPMENT PRACTICE & ENVIRONMENTAL ENGINEERING

MADISONALVAREZ@BERKELEY.EDU

614-517-7112

EDUCATION

University of California, Berkeley May 2023

MASTER OF DEVELOPMENT PRACTICE CANDIDATE

University of Cincinnati Graduated May 2020

BACHELOR OF SCIENCE, ENVIRONMENTAL ENGINEERING
& SPANISH LANGUAGE MINOR

- GPA: 3.647/4.0

Fundamentals of Engineering (EIT) July 2020

INTERNATIONAL EXPERIENCE

Tameslouht, Morocco August 2019 - May 2020

PROJECT MANAGER FOR CAPSTONE SENIOR DESIGN

- Designed a village landfill with an international sponsor

Hong Kong May-August 2018

ENVIRONMENTAL ENGINEERING WORK/STUDY

- Lived and worked in a culturally immersive environment

Palapye, Botswana August 2018

HONORS STUDENT AMBASSADOR PALAPYE

- Served as an ambassador to a technical college in Botswana

Madrid, Spain May-June 2016

STUDY ABROAD

- Lived in Madrid to study Spanish as a second language

SKILLS

Microsoft Office

Experience in Excel, VBA, Word, and Powerpoint

Google Suite

Strong experience in Google Drive and applications

Technical Writing

Published internationally and completed relevant coursework

Research

History in waste water research and green chemistry research

Training

Mentored 7 co-ops and hosted seminars on new projects

PHILANTHROPY AND INVOLVEMENT

- Dean's Graduate Student Council | Sept. 2020 - Present
- Habitat for Humanity President | August 2016 - May 2020
- UC Symphonic Orchestra | August 2015 - May 2020
- UC Mountaineering Club | August 2015 - May 2020
- UC Global Engagement Organization President | 2017-2019
- CEAS Ambassador | October 2016 - May 2018

WORK EXPERIENCE

The Kroger Company January 2019-February 2020

Headquarters | Cincinnati, OH

FACILITY AND ENERGY ENGINEERING CO-OP

- Saved over \$1.5 Million in energy costs across 2,800 locations utilizing Excel and VBA
- Redesigned the co-op training program, initiated the creation of training materials, and taught 3 groups of co-ops the techniques and methodologies of the Energy team
- Launched a customer-facing program to add 25k banners to market the energy-saving benefits of glass doors

Hong Kong Polytechnic University May-August 2018

Hong Kong

ENVIRONMENTAL ENGINEERING CO-OP

- Co-authored and edited a published 70 page research paper on international safety standards
- Analyzed and sampled water from wastewater treatment plants
- Collaborated in a multi-cultural environment and gained experience in workplace diversity

GE Aviation January - November 2017

Jacksonville, Florida | Boston, Massachusetts

ENVIRONMENTAL ENGINEERING CO-OP

- Authored site-wide employee on-boarding documents and 135-page manual
- Designed a sustainable Excel management system for 5 years of past audits and all future audits
- Created an implemented a safety compliance system for over 535 pieces of equipment
- Experience with OSHA, EPA, hazardous waste, corporate, and local regulations

ACHIEVEMENTS

Presidential Leadership Medal of Excellence Finalist

Prestigious award recognizing excellence in academics, leadership, diversity, community, global citizenship & future potential

Darwin T Turner Scholarship

Awarded by Ethnic Programs and Services for full tuition & fees

Outstanding Achievement in Co-op Award

Recognition from the Division of Experience-Based Learning for impactful and change-inducing work experiences