

MADISON ALVAREZ

ENVIRONMENTAL ENGINEER

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MADISONALVAREZ.COM

EDUCATION

University of Cincinnati Graduated May 2020

BACHELOR OF SCIENCE, ENVIRONMENTAL ENGINEERING
& SPANISH LANGUAGE MINOR

- GPA: 3.647/4.0
- University Honors Program & Aspire Scholar

Fundamentals of Engineering certified July 2020

INTERNATIONAL EXPERIENCE

Tameslouht, Morocco August 2019 - May 2020

PROJECT MANAGER FOR CAPSTONE SENIOR DESIGN

- Designed and proposed a new landfill for a village
- Collaborated internationally while based domestically

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

- Habitat for Humanity President | August 2016 - May 2020
- UC Symphonic Orchestra | August 2015 - May 2020
- UC Mountaineering Club | August 2015 - Present
- Chi Omega Fraternity | August 2016 - May 2019
- UC Global Engagement Organization President | 2017-2019
- CEAS Ambassador | October 2016 - May 2018

Madison is a passion-driven engineer looking to make a difference in the world. She holds 3 completed years of work experience, including international collaboration and large scale projects. She is an effective communicator and has a strong leadership personality. In her career, she is a problem-solver aspiring to be challenged and grow through future opportunities in a global capacity.

WORK EXPERIENCE

The Kroger Company January 2019-February 2020 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 onboarding 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
- Communicated with and trained over 35 safety representatives

ACHIEVEMENTS

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

Presidential Leadership Medal of Excellence Finalist

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