

Candace Coleman

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EDUCATION

Vanderbilt University, Nashville, TN
Bachelor of Engineering, Civil Engineering
Minor: Managerial Studies, Scientific Computing
Cumulative GPA: 3.54/4.00

May 2023

Study Abroad: University of Cambridge, Cambridge, England
Participated in a six-week course focused on STEM and Society in the United Kingdom

January 2020 - April 2020

Coursework: Geotechnical Engineering, Spatial Planning, Water Resources Engineering, Risk, Reliability, and Resilience Engineering, Fluid Mechanics, Structural Design, Macroeconomics

PROFESSIONAL EXPERIENCE

Berg Engineering Group, Allendale, CA
Design Engineer Intern

May 2022 - August 2022

- Developed designs, layouts, and design calculations for six commercial use land developments using Creo
- Analyzed design drawings, specifications, and budget estimates for municipal approval
- Conducted site visits to five in-progress constructions to assist in state and federal building compliance inspections
- Presented summer research report to upper-level executives

Aneera Technology Corporation, Ackerman, IL
Project Management Intern

May 2021 - August 2021

- Implemented six electrochemical filtration devices for 3D printing apparatus production
- Performed quality assurance and user acceptance testing on each device before mass production
- Generated quality assurance reports for each device with recommendations on improvements to prototyping process

Roundtree Instrumentation, Chicago, IL
Data Analyst Intern

December 2020 - January 2020

- Created a software application to measure mechanical points of weakness along automotive manufacturing line
- Increased system functionality by 20% using MATLAB transfer function analysis
- Generated technical report proposing improvements in efficiency and system stability

LEADERSHIP EXPERIENCE

Engineers Without Borders, Nashville, TN
Secretary, Programming Committee Lead

August 2020 - Present

- Collaborate with Guatemalan community leaders to design and implement solutions for clean water access
- Establish 50-person, international service trip to install and replicate five community-based water retrieval hubs
- Mentor five first-year engineering students through the transition into the School of Engineering

Alpha Beta Zeta Sorority, Inc., Nashville, TN
Treasurer

May 2021 - January 2022

- Managed \$100,000 activities budget to create an immersive, six-week leadership training program for incoming members
- Produced and implemented new member financial training for 165 current and incoming members

SKILLS & INTERESTS

- **Programming:** C++, JavaScript, Python, MATLAB
- **Software:** Creo, AutoCAD, ArcGIS
- **Operating Systems:** Windows, Unix, Linux, MAC OS X
- **Interests:** Hiking, Cooking Italian Cuisine, Water Skiing