

Caroline Akerley

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EDUCATION

Georgia Institute of Technology

- Bachelor of Science in Environmental Engineering
- GPA: 3.24

Atlanta, GA
August 2016 - December 2020

Georgia Tech-Lorraine

- Gained global perspective of cultural diversity while earning degree credits.

Metz, France
May 2018 - August 2018

EXPERIENCE

MASSACHUSETTS DEPARTMENT OF TRANSPORTATION

Highway Engineering Intern

- Oversaw the construction of several Constructed Stormwater Wetlands.
- Assisted in completing Stormwater Pollution Prevention Plan inspection reports.
- Administered turbidity tests of protected waters.
- Inspected erosion control methods and general environmental protection techniques.
- Learned how to balance environmental protection with the other objectives of a large-scale project.

Arlington, MA
May 2019 - August 2019

PROJECTS

NOURSISH PROJECT

Research Assistant

- Worked in a group setting as well as individually to complete inventory of over 9,000 samples.
- Performed DNA and RNA extractions using a Qiagen QIAcube.
- Worked in a professional lab setting, adhering to lab safety protocol and decorum.

Atlanta, GA
January 2020 - Present

VIRTICALLY INTEGRATED PROJECTS, PATAGONIA

Team Leader

- Designed a comprehensive sustainability plan for a developing national park in Chile.
- Performed comparative research on current national parks, focusing on waste management, stakeholder mapping, carrying capacity, and revenue distribution.
- Created proposals and presentations for Chilean Professors and students working on the project.
- Employed technical skills to balance the needs of the community, sustainability, and financial prosperity in design.
- Worked in a team and communicate with various professionals involved in the international project.

Atlanta, GA
August 2018 - Present

ENGINEERS WITHOUT BORDERS, JAMAICA PROJECT

Technical Committee Member

- Modeled the topography of the land and the proposed water distribution system using EPANet.
- Utilized AutoCAD to design technical components of the system, including pressure break tanks.
- Composed technical and analytical reports for implementation of proposed components.
- Communicated actively with the local community to determine how to implement new technologies most effectively.

Atlanta, GA
January 2017 - December 2019

LEADERSHIP

PHI MU FRATERNITY

Executive Committee- Sisterhood Chair

- Planned and coordinated events to foster community values and a comfortable group environment.
- Completed monthly paperwork for Phi Mu's National Board, including formal event proposals and summaries.

Atlanta, GA
November 2018 - Present

SKILLS/INTERESTS

Affiliations: Engineers Without Borders

Coursework: Environmental Engineering Principles, Geomatics, Hydrology, Hydraulic Engineering, Survey of Organic Chemistry, Thermodynamics, Coastal Engineering, Water Quality Engineering, Statistics

Communication: Presentations, Report Write-Ups, Professional Speaking Abilities, Strong Commitment to Team Environment

Software: Microsoft Office, Google Drive, AutoCAD, EPANet, ArcGIS, MATLAB

Volunteer: Children's Miracle Network - Children's Healthcare of Atlanta