

Samantha Brown

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Clemson University student with dual majors in mechanical engineering and American sign language (ASL). Seeking a full time position in mechanical engineering to continue to grow as an engineer and apply current experience to help an organization achieve their mission.

EDUCATION

Clemson University - *B.S. Mechanical Engineering, B.A. Modern Language: American Sign Language* Enrolled: Fall 2021- Present
Graduation Date - 05/2026 **GPA 3.69**
Clemson, SC Dean's List, President's List

EXPERIENCE

Clemson University - *Undergraduate Teaching Assistant for General Engineering Department* August 2022 - Present
Clemson, South Carolina

- Provide academic support and mentoring to freshman students majoring in General Engineering.
- Attend engineering lectures to assist students in class.
- Lead assigned office hours to assist students.
- Participate in training to receive College Reading and Learning Association tutoring certification.

CDM Smith - *Water Services Environmental Engineering Intern* May 2024 - August 2024
Manchester, New Hampshire

- Assisted a team of consulting engineers and GIS professionals on a variety of water service based projects in the fields of lead pipe removal, water treatment, wastewater treatment, and pump stations.
- *Projects:*
 - o **City of Delray Beach Nanofiltration System:** Worked with vendors to obtain quotes for chemical storage tanks. Edited master specs for a deep well injection system. Organized and summarized raw water data for statistical analysis.
 - o **Aquarion Water Company Lead Pipe Removal:** Verified the material of customers' water service lines based on pictures submitted in a self-survey. Worked with customers to identify pipe material when unable to verify.
 - o **Laconia Sewer Line Record Drawings:** Created record drawings, using AutoCAD, to show where changes were made to the sewer lines in the Northern Lakeport region of Laconia, New Hampshire.

Clemson University - *Area Desk Assistant* May 2023 - May 2024
Clemson, South Carolina

- Provided excellent customer service both in-person and on the phone to students, parents, and faculty members.
- Tracked hundreds of keys by performing room key audits for 6 residential communities across campus.
- Issued and returned temporary keys as well as programmed electronic key fobs to provide access to residential spaces.

LEADERSHIP AND COMMUNITY SERVICE

Magical Creatures of Hamakua - *Animal Caretaker and Property Maintenance Volunteer* October 2020 - April 2021
Laupahoehoe, HI

- Cleaned and fed 92 animals including goats, sheep, pigs, cows, cats, dogs, and chickens
- Helped care for special needs animals including assisting with wheelchairs, wrapping injuries, dietary restrictions, bottle feeding, changing diapers, and overnight babysitting
- Lead a team of volunteers in constructing a play structure
- Learned about animal health and welfare and applying that knowledge to guide and educate public and private sanctuary tours
- Worked with vendors to procure thousands of pounds of feed, food scraps, and supplies weekly

ACTIVITIES

American Sign Language Club - *Member* January 2023 - Present

- Involved in an organization based in learning American sign language through immersion in the language and deaf culture

Omicron Delta Kappa Honor Society - *Member* November 2023 - Present

- Involved in a professional fraternity that celebrates leadership in academics, athletics, community service, communications, art

Grand Challenge Scholars - *Member* January 2022 - May 2024

- Support an organization passionate about the funding and research of the National Academy of Engineering Grand Challenges
- Complete basic competencies including interdisciplinary academics, entrepreneurship, research, community service, and multicultural awareness supporting individual specialty of developing carbon sequestration methods before graduation
- **Design-a-thon:** Annual design competition run by the Grand Challenge Scholars to develop an innovative product idea and pitch video to improve upon the provided theme. Example themes include: The Future of Food and The Future of the Supply Chain

SKILLS AND CERTIFICATIONS

- Entry level in 2D AutoCAD. Experienced in MATLAB, and Excel. Certified SOLIDWORKS Associate (CSWA).

References Available Upon Request