

Madalyn Mouton

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EDUCATION

Louisiana State University (LSU), Baton Rouge, LA

December 2023

Roger Hadfield Ogden Honors College

GPA: 3.79

Bachelor of Science, Environmental Engineering

Bachelor of Science, Civil Engineering

Related Coursework: Critical Analysis and Social Responsibility, The State of Louisiana, Louisiana History, Louisiana Government and Politics

EXPERIENCE

Coastal and Hydraulics Laboratory Student Intern

May 2021 - Present

U.S. Army Corps of Engineers Engineering Research and Development Center, Vicksburg, MS

40 hours/week

- Wrote a literature review about changes on the Curve Number for Colorado
- Wrote waterbody descriptions of the Washington State's bays for shellfish regulations
- Compared results between a physical and computer model of the Los Angeles River for restoration efforts
- Created maps showing river features using ArcGIS for national streambank mitigation efforts

Undergraduate Researcher

August 2019 – Present

Louisiana State University, Baton Rouge, LA

9 hours/week

- Grounded 200 plant and fish samples to better understand the food chain in a natural marsh vs. man-made marsh.
- Cleaned 50 core sample of mud to weigh root biomass at different underground heights to compare site shear-stress
- Surveyed potential sites and tested equipment for installing stream gages on Corporation Canal, Baton Rouge

American Society of Civil Engineers Louisiana State University Student Chapter President

2022

Louisiana State University, Baton Rouge, LA

10 hours/week

- Organized weekly meetings with industry for students to attend
- Communicated with faculty, professional local chapter, and national chapter needs of student chapter
- Supported team members by monthly meetings addressing progress and future goals

President of East Campus Community Council

August 2020 – May 2021

Louisiana State University, Baton Rouge, LA

3 hours/week

- Collaborated and created community events to bolster a community connection for students
- Delegated responsibilities with a team of 10 for putting on events
- Time-managed, budgeted, and organized the community events to put on the events efficiently

Society of Peer Mentors Member

January 2020 – Present

Louisiana State University, Baton Rouge, LA

1 hour/week

- Mentored incoming freshman to prepare them for their first semester
- Worked with a team of 8 people to compete in team-building exercises
- Designed team-work activities related to sustainability to engage high school girls in STEM

INVOLVEMENT

COPRI, ASCE, Steel Bridge Design, Concrete Canoe team, Deep South Conference Committee, Louisiana Collegiate Design Competition, Girls Design for Good Design Committee EverybodyCounts, EverybodyReads, Honors Book Club

HONORS/AWARDS

ASCE 2023 New Faces of Civil Engineering Collegiate Honoree, ASCE Louisiana Section Distinguished Civil Engineering Senior Student, ASCE Louisiana Section Outstanding Civil Engineering Junior Student, 2023 William A Wintz, Jr. Memorial Scholarship, 2022 Melissa Young Doucet Memorial Scholarship, LSU Academic Scholars Residents Award, Ben & Clare Thibodeaux Scholarship, Ronald E. & Cecilia M. Rinard Scholarship, LSU President's List (Spring 2020), LSU Dean's List (Fall 2019, Fall 2020, Fall 2021, Spring 2023)