

Sara Mallon

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EDUCATION

University of Georgia – Athens, GA May 2024 (expected)
Bachelor of Science in Environmental Engineering
Cumulative GPA: 3.84/4.00

RELEVANT SKILLS

Coursework: Environmental Engineering Design Methodology, Energy Analysis, Natural Resources, Urban Systems, Organic Chemistry, Fluid Mechanics, Strengths of Materials
Technical Proficiencies: Computational Engineering Methods (MATLAB), Engineering Graphics and Design (AutoCad)

WORK EXPERIENCE

UGA- Institute for Resilient Infrastructure Systems October 2022 - Present
Undergraduate Research Assistant – Athens, GA

- Develop natural and nature-based features, such as bioretention systems, in a case study for Tybee Island, GA to reduce the impact of intense storms and high tides on the island
- Integrate green infrastructure into the computer softwares of Interconnected Channel and Pond Routing (ICPR) and ArcGIS

UGA- Feed and Environmental Water Lab March 2022 – October 2022
Student Lab Assistant – Athens, GA

- Executed precise measurements of drinking water, wastewater, and feed samples for testing of COD/BOD, nitrogen (TKN), acid detergent fiber, crude fiber, lignin, TSS, and more
- Processed up to 200 new samples per day in addition to performing and analyzing tests
- Handled and organized hazardous chemicals for state records and inputted data for client samples

University of Georgia Engagement Center November 2021 – January 2022
Student Representative – Athens, GA

- Interacted with alumni, parents, and friends on behalf of the university to support scholarships, student programming, and academic awards

Fayette County Water System July 2020 – August 2020
Water System Intern – Fayetteville, GA

- Analyzed raw and treated water samples by performing standard chemical and physical testing
- Performed administrative tasks including data mining, document organization, and filing of county data for the Georgia Environmental Protection Division
- Developed 2 informational videos touring both county water plants for the official Fayette County website <https://fayettcountyga.gov/water/>

INVOLVEMENT

Secretary – The Society of Environmental Engineers, UGA – Athens, GA January 2021 – Present
• A society that fosters academic achievement, professional development, and professional relationships between alumni and students while promoting healthy stewardship of the environment

Marshal - Theta Tau, UGA – Athens, GA August 2021 – Present
• A nationwide, professional engineering fraternity that develops engineering leaders for service, profession, and brotherhood

Volunteer - Athens Area Humane Society – Athens, GA December 2022 – Present
• Responsible for ensuring the daily care and wellbeing of dogs in the shelter; Expected to engage with pets, other volunteers, staff, and potential adopters