

Issy McNair

iem05265@uga.edu • 470-389-8342

EDUCATION

University of Georgia

Environmental Engineering Major
Third Year

Athens, GA
August 2023 - Present
GPA: 3.30/4.00

Archer High School

Honor Graduate

Lawrenceville, GA
August 2019 - May 2023

WORK EXPERIENCE

Water and Wastewater Engineering Intern

Engineering Management Inc.

Lawrenceville, GA
May – August 2025

- Used basic Civil 3d skills to generate plan documents of 3 different waterline design projects in different stages of design.
- Addressed and organized erosion control plan sheets for 2 projects in compliance with NPDES guidelines.
- Researched and analyzed municipal income statements to assist in the creation of a Rate Study for financial planning.
- Corresponded with outside organizations to compile as-builts and existing utility information to ensure design integrity, while also creating visual exhibits for outside organizations as needed.
- Investigated design obstacles of a pre-construction waterline project by visiting on-site and identifying several possible solutions.
- Assisted with water quality testing for EPD permit compliance, exercising controlled laboratory practices.
- Visited several water and wastewater facilities across North Georgia for the overseeing of daily operations, including but not limited to Demorest drinking water facility and Hoschton wastewater plant.

Junior Engineering Intern

Eberly & Associates

Atlanta, GA
May – August 2024

- Used Civil 3D to assist project engineers and managers with civil site design on 6 different projects, including public schools, commercial buildings, and residential properties.
- Designed stormwater management systems, utility networks and grading layouts to assist on the development of a diverse portfolio of site plans.
- Utilized HydroCAD and NOAA GIS data to analyze stormwater runoff and generate 3 hydrology reports, providing data for system design and permitting, which were submitted for approval to municipalities.
- Visited 3 sites to report on-site issues, both pre-construction and during construction, to ensure environmental compliance and prevent project delays.
- Coordinated with supervisors weekly to read and adjust site plans, adhering to quality control parameters.

EXTRACURRICULAR EXPERIENCE

O-Stem - Member

August 2023 – Present

- Volunteered in Rivers Alive Clean Up Collab event to clear Athen's neighborhoods of litter and trash.

NSBE - Member

August 2023 – Present

Philharmonic Orchestra - Violin

August 2023 – Spring 2026

Undergraduate Research Assistant – CITRA Lab

March 2026 – Present

- Assists with the creation of flood models to portray the outcomes of climate change on the Georgia coast.
- Communicate regularly with Lab Supervisor and PHD candidate to overview tasks and complete items in a timely manner

ACCOMPLISHMENTS

First Year Engineering Scholars Program – University of Georgia

April 2023

- Selected as 1 of 15 students to participate in a prestigious program that focuses on professional development and student success.