OLUTIMILEHIN SOBANJO

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EDUCATION

University of Michigan, Ann Arbor, MI
Master of Science in Environmental Engineering — Dec 2026
Pelham Scholar Fellowship Recipient
Coursework: Environmental Microbiology, Environmental Organic Chemistry, Environmental Fluid Mechanics

University of Florida, Gainesville, FL — **GPA:** 3.67/4.00
Bachelor of Science in Environmental Engineering — May 2025
Coursework: Gis In Soil And Water Science, Environmental Engineering Design 2: Water, Core 5: Environmental Engineering Practice, Hydraulics, Environmental Hydrology, Environmental Analysis, Principles of Sustainable Engineering Design

WORK EXPERIENCE

University of Florida, Gainesville, FL — Aug 2023-May 2025
Research Assistant- Department of Environmental Engineering Sciences
- Observed the effects of PFAS exposure (50 Compounds) on vulnerable coastal communities in Brevard County, FL, using QuanBrowser (Xcalibur) and mathematical integration.
- Created iron magnetized quantum carbon dots to see their effects against positive and negatively charged types of PFAS and their effectiveness in PFAS degradation.
- Cultured Vibrio from water samples post-Hurricanes Helene and Milton to assess inland bacterial spread and human infection risk.

AtkinsRéalis, Tallahassee, FL — May 2024-Jul 2024
Water Resources Engineering Intern
- Supported the drainage efforts associated with the widening and reconstruction of roadways with the use of OpenRoad Designer.
- Processed Census, FEMA, NOAA, and geographical information to create maps using ArcGIS Pro for a mitigation plan.
- Assisted with cost estimating, technical memorandum development, data management and presentation materials to track projects' process.

PROJECT EXPERIENCE

FL Stormwater Recovery Optimization Case Study: Naples Airport — Jan 2025-May 2025
- Assessed water basin conditions at APF Naples Airport and proposed improvements to enhance particulate and metal removal efficiency in Basin 208 for load recovery and reduction.
- Interpreted Naples, FL weather and climate data using ArcGIS Pro and excel to assess runoff water's effects on Basin 208.
- Analyzed FDOT and APF data to calculate Basin 208's particulate removal efficiency for Total Phosphorus, Total Nitrogen, Total Suspended Solids, and Copper, before and after remediation.

Company Assessment of GHG Carbon Emissions & Adjustments towards Carbon Neutrality — Apr 2023-Jun 2023
- Conducted technical analysis of GHG emissions at NBC Universal and L3 Harris using Excel and data visualization; co-authored proposal outlining environmental solutions.
- Designed Onshape CAD prototypes of a "Piezoelectric Walking Plate" to enhance renewable energy use at NBC Universal.
- Presented findings on behalf of UF's Department of Environmental Engineering Sciences to the Engineering School of Sustainable Infrastructure & Environment (ESSIE) Advisory Board and at the A&WMA 116th Annual Conference.

TECHNICAL SKILLS

Computer Skills: R, MATLAB, Bluebeam Revu, Microsoft Project, HEC-HMS, ArcGIS Pro, ArcMap, OpenRoad Designer
Certification: NCEES Fundamental of Engineering

LEADERSHIP

UF Society of Environmental Engineers — May 2022- May 2024
- **President**
- Presided over general/board meetings and created the organization's schedule for the 2023 to 2024 academic school year.
- Reestablished and planned the ESSIE Poster Symposium to encourage students to engage in environmental-based research at the University of Florida.
- **Secretary**
- Took meeting notes and organized key documents in Google Drive to support organizational structure.