

Xavier Osorio

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SUMMARY

Third-year Environmental Science student at Florida A&M University with hands-on experience in water quality analysis, field sampling, and sustainability research. Proficient in lab procedures, data interpretation, GIS, and environmental monitoring, with strong skills in technical writing, public speaking, and team collaboration. Eager to apply and expand my expertise through opportunities that support professional growth and meaningful environmental impact.

KEY SKILLS

Water Quality Analysis | Field Sampling | Lab Procedures | Data Interpretation | Environmental Monitoring | GIS Certified | Technical Writing | Public Speaking | Report Documentation | Project Management | Team Collaboration | Problem-Solving

WORK EXPERIENCE

Department of Energy – Environmental Management | Aiken, SC May 2025 – Jul 2025
Intern, Savannah River Environmental Sciences Field Station (SRESFS)

- Served as a Department of Energy (DOE) Environmental Management Intern through the Savannah River Environmental Sciences Field Station (SRESFS), a collaborative program with the Savannah River National Laboratory and South Carolina State University.
- Selected as 1 of 40 interns from across the country to participate in a course-driven summer internship program.
- Gained hands-on experience in water chemistry analysis, field sampling, and laboratory techniques while participating in academic coursework and environmental research projects.
- Conducted site visits to landfills, sewage treatment facilities, and nuclear power plants, and built a solar charging station.
- The program emphasized technical skills, scientific communication, and professional development, preparing underrepresented students for STEM careers and graduate opportunities.

FAMU - School of the Environment | Tallahassee, FL Nov 2023 – Jan 2025
Undergrad Research Assistant

- Conducted research as an undergraduate intern, focusing on water chemistry, aquatic habitat monitoring, and research in microbes and algae.
- Gained hands-on experience in laboratory techniques, data analysis, and fieldwork by collecting and analyzing water samples to assess quality parameters (pH, dissolved oxygen, nutrients) while contributing to research in sustainable biotechnology, alternative fuels, and environmental remediation.
- Gained hands-on experience in laboratory analysis, fieldwork, and data interpretation, enhancing skills in scientific research and environmental conservation.

South Florida Tech Hub | Pompano Beach, FL Jul 2023 - Apr 2024
Intern, CRM & Data Entry

- Supported South Florida Tech Hub's mission of regional tech industry growth by performing data entry, maintaining customer relationship management (CRM) systems, and assisting with member database organization to enhance outreach and engagement efforts.

PROFESSIONAL DEVELOPMENT

Conference/Poster Symposium, Savannah River National Laboratory | Aiken, SC Jul 2025

- Presented final research project at Savannah River National Laboratory, showcasing a solar panel system designed to power devices and disinfect water in disaster scenarios while promoting sustainable energy and community resilience.
- Gained professional exposure through technical communication with DOE scientists and peers, refining skills in research presentation, problem-solving, and interdisciplinary collaboration.

Workshop, Nexus Innovate: Geospatial-AI Workshop | Tallahassee, FL Jan 2025

- Attended the *Nexus Innovate: Geospatial-AI Workshop*, engaging with interdisciplinary experts from national labs, academia, and industry.
- Explored innovative applications of AI and geospatial technologies in environmental monitoring, remediation, and data analysis.

CAMPUS INVOLVEMENT

Member, NAACP-FAMU Chapter 2024 - Present

- Supported advocacy events and volunteer initiatives for racial equity.
- Coordinated forums on social justice, voting rights, and identity.
- Promoted campus-wide engagement around student concerns and policy change.

Member, GenCLEO-FAMU Chapter 2024 - Present

- Advocated for climate policy and environmental justice campaigns.
- Contributed to green space projects and community resilience events.
- Collaborated with student leaders on environmental legislation awareness.

Member, Sustainability Club 2023 - 2024

- Organized campus clean-ups and eco-awareness events
- Partnered with local groups to promote sustainability.
- Led student campaigns on waste reduction and environmental protection.

EDUCATION

Florida Agricultural and Mechanical University, Tallahassee, FL

Bachelor of Science in Environmental Sciences

May 2027

Certifications and Accomplishments

- NEXUS Scholars in Residence Program
- National African American Recognition Program/Award
- ArcGIS – Geographic Information System (GIS) Certification
- Adobe Certified Associate (ACA) Certification