

Akindele J. Omotosho

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Professional Summary

Sophomore Biological Engineering student at North Carolina A&T; with hands-on research experience in molecular biology and metabolic regulation. Completed a 2025 University of Utah internship conducting 280+ hours of lab work on FOXN3's role in glucose and lipid metabolism. Previous USDA internship provided 80+ hours of cereal science and dietary fiber research. Passionate about biotechnology, health, and sustainability with strong teamwork, leadership, and communication skills.

Education

North Carolina Agricultural & Technical State University – Greensboro, NC

B.S. Biological Engineering | Expected May 2028 | GPA: 3.0/4.0

Skills & Techniques

- Molecular Biology: qPCR, RNA extraction, histology, GTT/ITT testing
- Technical Tools: Microsoft Office, Python, Robotics, Adobe Photoshop, WordPress
- Languages: Fluent in English & American Sign Language; Conversational Spanish
- Other: Conflict resolution, apparel design, 65 WPM typing

Research & Work Experience

Summer Research Intern – University of Utah | Salt Lake City, UT | June – Aug 2025 –

280+ hours of research on FOXN3's role in glucose and lipid metabolism in murine models –

Conducted qPCR, RNA extraction, histology, and metabolic assays (GTT/ITT)

– Analyzed FOXN3's effects on insulin/glucagon signaling, contributing to diabetes research

– Collaborated with a 5-member cross-departmental team (Biochemistry & Nutrition)

– Presented findings in a scientific poster session

Lab Research Assistant – USDA Agricultural Research Center | Beltsville, MD | July – Aug

2024 – 80+ hours of research in Cereal Science & Dietary Fiber divisions

– Assisted experiments on dietary fiber composition and cereal grain quality

– Prepared samples, collected data, and supported research teams

Leadership & Activities

Vice President, NC A&T; Chess Club | ESTEEMED Scholar, NC A&T;

Founding Member, Baltimore Chamber of Commerce for Children & Youth

Digital Harbor Foundation – STEM & Robotics Youth Mentor

Sports Outreach Board Member | Board Room Chess Coach

National Honor Society | High Honor Roll

Publication

