



Honors Industrial & Systems Engineering student with hands-on experience solving real-world engineering challenges. Passionate about understanding how things work and finding practical ways to improve them. Driven to improve efficiency and develop practical solutions that make systems and operations work better.

EDUCATION

North Carolina A&T State University, Greensboro, NC

- **GPA:** 3.88 / 4.0
- **Relevant Coursework:** Methods Engineering, Engineering Statistics, Engineering Economics & Cost Analysis, Manufacturing Processes, Deterministic Operations Research, Discrete Event Systems Modeling & Simulation, Quality Engineering, Ergonomics, Information Systems for ISE, Engineering Design and Ethics, Materials Science
- **Honors:** Honors College Student, Alpha Lambda Delta Honor Society, Dean's and Chancellor's List (2024-2026)

WORK EXPERIENCE/PROJECTS

DuPont

Manufacturing Engineering Intern — Cooper River Molykote Facility

Summer 2026

- Led implementation of the INTREX Autolabeller, a new automated labeling asset, supporting equipment startup, operation, changeovers, troubleshooting, and operator training.
- Analyzed approximately \$100K in Magna mixer yield loss by comparing theoretical vs. actual batch yields and identifying waste-reduction opportunities.
- Improved INTREX labeling performance through equipment testing and root-cause troubleshooting, identifying labeling issues and optimizing settings for cartridge and pail production.
- Developed process flow and storage layout documentation for a Kaizen event, analyzing production run times to identify opportunities to improve throughput, material flow, and operational efficiency.
- Collaborated with engineers, operators, and maintenance to troubleshoot production issues, develop the INTREX standard operating procedure (SOP), and update run sheets and process documentation to improve batch consistency and operational efficiency.

Parker Hannifin HPD Manufacturing Systems Analysis - Academic Project

Team Leader

Spring 2026

- Led a team analyzing the hydraulic hose assembly production system at Parker Hannifin's HPD manufacturing facility.
- Developed an operation process chart, flow process chart, and plant layout analysis to evaluate manufacturing workflow.
- Assessed materials, product components, and assembly processes used in industrial hose production.

BP Preservation Energy Team Project

Engineering Team Member

Summer 2024

- Designed and analyzed an energy-efficient system concept for BP headquarters focused on reducing energy consumption.
- Presented solutions improving building sustainability and operational effectiveness.

ENRICHMENT ACTIVITIES

AFS Intercultural Programs

AFS Global STEM Changemakers Program Scholar

Summer 2026

- Selected for a highly competitive, fully funded global leadership and STEM program sponsored by BP and AFS.
- Collaborated with an international team to design a reward-based app that encouraged climate-positive actions and sustainable habits in Dhaka, Bangladesh.
- Attended the AFS Youth Assembly and Changemakers Academy in Geneva, Switzerland, engaging with leaders and organizations from the World Health Organization (WHO), United Nations (UN), and other global institutions.

BP Fellow Scholars STEM Program

Scholar

Summer 2025

- Selected as one of a competitive cohort of STEM students for academic excellence, leadership, and commitment to the energy industry.

BP Bridge Scholars STEM Program

Scholar

Summer 2024

- Selected as a competitive STEM scholar for academic excellence and leadership potential.
- Awarded mentorship, training, and professional development through the program.

LEADERSHIP AND INVOLVEMENT

Honors Ambassador, NC A&T Honors College | COE Ambassador, College of Engineering | Secretary, Institute of Industrial and Systems Engineers | Member, National Society of Black Engineers

SKILLS

- **Technical:** Microsoft Excel, SolidWorks, Visual Basic, PowerPoint, Canva; **Engineering:** Process Improvement, Process Flow Analysis, Value Stream Mapping, Manufacturing Analysis, Data Analysis, Troubleshooting, Kaizen