

PAYTON HOLT

ENGINEER

CONTACT

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EDUCATION

Tuskegee University
 Tuskegee, AL
 Mechanical Engineering
 Expected Graduation: May
 2028 GPA: 2.8

KEY SKILLS

- AutoCAD
- Onshape
- NX Lab
- Project management
- Vendor Management
- Research skills
- Technical Documentation

PROFILE

I am a hardworking and goal-oriented Mechanical Engineering Junior with a strong STEM foundation and hands-on experience in leadership, teamwork, and problem-solving under pressure. I am actively seeking opportunities to gain professional experience and expand technical knowledge while contributing value to an engineering team. Recognized for both technical ability and leadership excellence, including awards such as Best Leader and Most Technical.

EXPERIENCE

F.A.S.T.R.E.C PROGRAM – TUSKEGEE UNIVERSITY
 MAY 2024 – JULY 2024

- Participated in company visits to multiple engineering firms, gaining firsthand exposure to how professional engineers manage projects daily.
- Observed the structure and workflow of different engineering teams, which gave me a clearer understanding of the wide range of career paths and skills valued in the industry.
- Developed professionalism through direct interactions with engineers and company leaders, learning workplace etiquette and communication standards.

NUCOR TUBULAR PRODUCTS
 MAY 2026 – AUGUST 2026

- Designed and optimized custom duct systems and mechanical layouts utilizing **AutoCAD** and **Onshape**, ensuring strict dimensional tolerances and operational efficiency.
- Managed end-to-end engineering projects, handling project scoping, documentation, and technical execution from concept to completion.
- Collaborated directly with external contractors and multidisciplinary teams, reviewing project deliverables, managing vendor execution, and aligning on-site work with safety and design standards.
- Applied analytical problem-solving skills to troubleshoot manufacturing facility challenges and improve plant infrastructure systems.

ACHIEVEMENTS

- Key member of the Programs committee for NSBE
- E.S.L.C (Engineering Student Leadership Council)
- Programs chair of SME