

Barbara Phillips
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Education

Tuskegee University – *Tuskegee, Alabama* Expected graduation: May 2027 **Bachelor of Science in Computer Engineering**
GPA: 3.0

Honors/Accomplishments:

- University Achievement Scholar
- Tuskegee University Hall of Fame Scholar
- DOD- AERIC Scholar
- City of Little Rock Intern of the Year (2023)
- TrailBlazer Award(2022)

Programming Languages

- Intro to C++ and Python

Skills

- Team Building, Problem Solving, Self Motivated, Supervision/Leadership Orientated

Work Experience

Procter and Gamble- *Cincinnati, Ohio* 05/2024- 08/2024

- Contribute to driving innovation in manufacturing and sustainable practices by hosting meetings to achieve updates for the current technology.
- Reduce product failures by 80% by coding scripts to read and analyze data through a given time range.

Procter and Gamble- *Green Bay, Wisconsin* 05/2025-08/2025

- Trained and implemented an AI camera system by learning and configuring software to detect quality box errors on production lines, contributing to a projected 95% reduction in product failures.
- Assisted in the installation of new software on one of the paper machine lines, improving readability and accuracy of date stamps on products.
- Supported the installation of new equipment for paper machine lines to enhance room temperature control and regulate biocide flow, optimizing operational safety and efficiency.
- Participated in the setup of a safety platform on the paper machine, significantly reducing the risk of injuries and lacerations for operators.

Southwest Power Pool - *Little Rock, Arkansas* 05/2026- 08/2026

- Developed Python scripts to merge and process power system models, improving data integration and analysis workflows.
 - Utilized the PSS®E (Power System Simulator for Engineering) model to understand electrical grid topology, including loads, generators, transmission lines, and transformers.
 - Applied PowerGEM API documentation and tools to identify and implement appropriate commands within Python scripts.
- Intel Research Program** - *Tuskegee, Alabama* 05/2024-08/2024
- Analyze existing semiconductor devices and their performance.
 - Review scientific literature to stay updated on industry trends and advancements.
 - Summarize relevant research for team discussions.

Leadership Activities

The Braven Accelerator – *Tuskegee, Alabama* 01/2024 – 04/2024 Fellow- Lead Prototyper

- Build a prototype of a mobile application for Capital One that received 85% approval rating for the users who tested it.
- Developed workforce skills such as leadership, operating and managing, communicating and networking, working in teams, and problem-solving by completing a 14-week leadership and professional development course.

Organizations

- Society of Women Engineers- Current • National Society of Black Engineers 08/2024- Current • Volunteer Club- Current • Tuskegee University Business and Engineering Conference Team - Current