

# SHAWNAYA WILLIAMS

I am a woman HBCU student eager to expand my technical skills, experience, and knowledge within the technical industry.

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## EDUCATION

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**B.S. - Computer Science, Texas Southern University, Houston, TX**

**Expected: Dec 2025**

- GPA: 3.7/4.0
- Thomas Freeman Honor Scholar

**Relevant Coursework:** Java Programming, C++ Programming, Object-Oriented Design, Fund Machine Computation, Computer Network Fundamentals, Calculus I & II & III, Applied Mathematics & Statistics for Scientists & Engineers

## SKILLS & TECHNICAL TOOLS

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**Languages:** C++ | C | Java | Python | R

**Tools & Operating Systems:** Visual Studio Code | Git/GitHub | Linux | AWS | Jupyter Notebook | RStudio

## EXPERIENCE

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**Wireless Networks Engineering Intern | NASA: Johnson Space Center**

**Jan '24 - May '24**

**Audio Engineering Intern | Logitech**

**Jun '23 - Sept '23**

- Write software unit tests in C/C++ to enable the audio team to verify software production code.
  - Integrate with Jenkins Build Systems.
- Set up Docker environments for different architecture targets.
- Write software applications in C/C++ to enable the audio team to evaluate audio algorithm libraries offline.

**College Technical Intern: Springboard Enrichment Program | Northrop Grumman**

**Jan '23 - May '23**

- The training program included weekly meetings with a software engineering mentor, software and computer science exercises, and weekly deliverables pushed to GitHub. Topics covered included bits and bytes, classes, objects, and types, code organization, refactoring and test-driven development using Catch-2 and Pytest, threads, processes, concurrency, and containers.

**Technical Instructor | iCode School of Pearland: Pearland, TX**

**Oct '22 - Jan '23**

*Instructor of various fundamental topics in robotics and computer science.*

- Inspired K 12 students to use programming to solve real-world problems.
- Instructed various computer science-related courses in Web Development, Computer Hardware, & Raspberry Pi Programming.
- Mentored students on how to build their websites, games, & applications.

## ACTIVITIES

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**Tigers Data Science Club | Houston, TX**

**Jan '24 - Present**

- A student-run organization at Texas Southern University committed to empowering students from all majors and educational backgrounds and cultivating their data science skills.

**Texas Southern University Computer Society | Houston, TX**

**Sept '22 - Present**

- Consistently join weekly computer science discussion forums centered around fundamental topics such as core data structures, algorithms, and problem-solving.

**Data Structure & Algorithm Discussion Group | Remote**

**Sept '22 - Present**

- Attend weekly discussion groups to learn about core computer science and coding concepts, problem-solving, and interview preparation.