

Sarah Gillie

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https://sgillie123.github.io/create_website/

EDUCATION

Texas Tech University, Lubbock, Texas
Bachelor of Science in Computer Science Engineering
Minor in Mathematics

Graduation year: May 2026
GPA: 3.1

Study Abroad: John Cabot University Italy, Rome
Studied Statistics for Engineers while abroad.

May – June 2024

Related Coursework: Object-Oriented Programming, Data Structures, Programming Principles, Design and Analysis of Algorithms, Computational thinking, Software Engineering

SKILLS

- Technical Skills
 - C, Python, Java, Object-Oriented Programming

EXPERIENCE

ThermoTek Inc, Flower Mound, TX
Testing Engineer

Summer 2023–Summer 2024

- Operated advanced automatic and semi-automatic systems to ensure product functionality
- Conducted comprehensive circuit board evaluations, identifying and troubleshooting issues
- Collaborated with expert authority to gain technical insights and improve testing procedures

Python Matrix Iteration Simulation
Python Project

December 2024

- Implemented multiprocessing to process a 10,000x10,000 matrix over 100 iterations efficiently
- Optimized matrix traversal and applied rule-based updates to enhance computational efficiency
- Ensured completion within 24 hours by optimizing memory and parallel processing

Chipotle Mexican Grill, Flower Mound, TX
Crew member

October 2020–April 2021

- Ensured the delivery of high-quality products and maintained customer satisfaction
- Preserved restaurant operations to uphold safety, legality, and profitability standards
- Fostered effective communication among team members to meet deadlines and operational goals

INVOLVEMENT

National Society of Black Engineers (NSBE)
Active Member

August 2024 - Present

- Contribute to initiatives for increasing the number of academically and professionally successful Black engineers
- Participate in community outreach and volunteer activities to support and mentor aspiring engineers

ColorStack

Active Member

August 2024 - Present

- Support the professional development of Black and Latinx computer scientists
- Engage in academic support activities and provide resources to facilitate innovation and career advancement