Lauren Elizabeth Gayle

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EDUCATION

Washington University in St. Louis   GPA: 3.8/4
BS in Computer Engineering   Expected Graduation May 2027
MS in Computer Engineering   Expected Graduation May 2028
Relevant Coursework: Computer Security, Intro to Digital Logic (RISC-V, System Verilog), Intro to Computer Engineering (AVR), Technical Writing, Operating Systems

Rhodes College, Memphis, TN   Attended: August 2022- May 2025
BS in Computer Science   Degree Conferral Expected May 2027
                                                                                                                          GPA: 3.8/4.0

Honors: Sigma Pi Sigma, Upsilon Pi Epsilon, Honor Roll for 3 years consecutively
Relevant Coursework: Object Oriented Programming (Java), Intro to Computer Networks (C), Data Structures & Algorithms, Intro to Parallel Computing (OpenSHMEM, OpenMP, MPI, CUDA), Programming Languages (Prolog, SML), Intro to Computer Organization and Architecture (MIPS), Intro to Computer Systems (C), Theory of Computation

EXPERIENCE

Carnegie Mellon University, Pittsburgh, PA
Robotics Institute Intern   June 2024-May 2025
- Researched robustness testing for the self-driving car software, looking for rare and off-nominal reports in the software's logs
- Developed a monitor in Python for unsafe behaviors reported in self-driving car logs

Oregon State University, Corvallis, OR
Undergraduate Researcher   June 2023-August 2023
- Wrote a literature survey, citing 30 papers on adaptive behavior trees, to assist in a PhD student's research
- Built a library of primitive motion actions for an assistive robot for early childhood motor interventions called the GoBot

Rhodes College, Memphis, TN
Research Assistant   January 2023-May 2023
- Tuned a computer vision software used in demonstrations for explainable robotics targeted at policy and lawmakers

WORK EXPERIENCE

BASF, Freeport, TX
Engineering Intern   June 2025-August 2025
- Maintained and debugged an MS Access database used to log project information for design engineers
- Updated the UI and backend functionality of Microsoft PowerApp Request apps
- Developed a paginated PowerBI report from SharePoint lists to display KPI information in a visual format

Rhodes College, Memphis, TN
Computer Science Grader   January 2025-May 2025
- Graded projects for introductory computer science classes, providing individualized feedback for a student's assignments

Computer Science Peer Tutor   August 2023-May 2025
- Tutored peers in three intro Computer Science classes, tailoring education style to fit an individual's learning style and concept being taught

SKILLS AND LANGUAGES

Proficient: Java, C, Python, Microsoft Suite, MS Power Platform
Familiar: ROS, System Verilog, AVR Assembly, RISC-V Assembly, Spanish
Basic: R, MATLAB

EXTRACURRICULARS

WashU Robotics | Software Team
Rhodes College Gender and Sexuality Alliance | Vice President
Rhodes College Women in STEM Club | Secretary
Rhodes College Fencing Club | Social Media Coordinator