

Shaharyaar B. Samuel

Professional Summary

Engineer with a B.S. in Computer Engineering and hands-on experience across automation, testing, hardware/software integration, quality-oriented problem solving, and data analysis. Builds reliable technical workflows, troubleshoots issues methodically, documents results clearly, and adapts quickly to new tools and technologies. Interested in early-career systems, software, validation, QA, analyst, and adjacent technical roles with room to learn and grow, with practical coding experience supporting automation and data tasks.

Experience

ENGINEERING INTERN – QUALITY, OPERATIONS & DEVELOPMENT

Aug 2023 - Mar 2025

StorageDefender

Denton, Texas

- Developed software tools and validation workflows that improved engineering efficiency and execution consistency across hardware and software test activities.
- Improved automated test throughput by approximately 5X through Python scripting, workflow optimization, and disciplined troubleshooting.
- Collected, analyzed, and documented technical and process data to support issue diagnosis, validation results, and engineering decisions.
- Supported cross-functional stakeholders with technical updates, documentation, and findings that improved visibility and continuity across engineering work.

OPD FULFILLMENT ASSOCIATE & STOCKING 1 TA

Aug 2020 - May 2026

Walmart

Sachse, Texas

- Built a track record of reliability, adaptability, and customer-facing communication while managing competing priorities in a fast-paced operational environment.

Education

Bachelors of Science in Computer Engineering (Electrical & Systems Focus)

Aug 2021 - Jul 2025

University of North Texas

Denton, TX

Dean's List: Fall 2021, Spring 2022 • Cumulative GPA: 3.14

Skills

Programming: Python and SQL for scripting, automation, and data tasks • Additional Scripting Exposure: JavaScript, Selenium, pytest, C/C++ • Tools: Linux, Windows, Git, Jira, MATLAB/Simulink, Microsoft Office • Engineering & Analysis: Testing, validation, troubleshooting, hardware/software integration, quality-oriented problem solving, data analysis, technical documentation

Projects

Smart Power Connector (Embedded Systems & Hardware Integration)

- Built and tested an ESP32-based microcontroller system integrating hardware, embedded logic, and structured validation workflows.

Smart Intersection System (Python Analysis & Decision Support)

- Developed Python/OpenCV workflows to analyze system behavior and translate results into actionable recommendations.

Accelerated Life Testing (Reliability Analysis & Reporting)

- Performed accelerated life testing on PCB hardware and battery chemistry, analyzed results, and reported findings to stakeholders.