Rachel Okafor

Engineering Technician

Engineering Technician with 5 years of full-time aerospace test and production support, now running fixture builds and test setups for a 12-engineer structures group. Reads schematics and drawings, handles troubleshooting on electrical and hydraulic rigs, and turns redlines into AutoCAD updates. Brings mechanical aptitude and steady attention to detail to every build.

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EXPERIENCE

Engineering Technician

03/2023 - Present

Prairie Wind Aerostructures — Wichita, KS

Structures test lab supporting fuselage and wing component programs.

- Set up strain gauge and load test rigs for **60+** component tests a year, meeting every lab schedule date.
- Diagnose sensor and wiring faults with oscilloscopes and multimeters, cutting test-stand downtime 30% in 2025.
- Revise AutoCAD fixture drawings from engineer redlines, releasing 45 drawing changes with no rejected packages.
- Maintain calibration of torque tools and pressure gauges on a 90-day cycle, keeping 210 tracked items audit-ready.

Manufacturing Technician

06/2021 - 02/2023

Kansas Precision Components — Wichita, KS

Machined parts and hydraulic assembly supplier with 150 employees.

- Assembled and tested hydraulic valve units, holding first-pass yield at **97%** across 3 product lines.
- Wrote Word work instructions for 14 assembly steps, cutting new-hire training from 3 weeks to 2.
- Tracked nonconformance data in Excel and presented monthly trends in PowerPoint to the quality team.

Lab Assistant (Part-Time)

08/2019 - 05/2021

Air Capital Composites — Wichita, KS

Part-time materials lab job while earning the associate degree.

- Prepared composite test coupons and logged **300+** specimen IDs for the materials test lab.
- Operated band saws, sanders and drill presses under supervision, with zero safety incidents in 2 years.
- Organized the tool crib and consumables, cutting weekly shortage reports from 6 to 1.
- Recorded cure cycle data for 2 autoclaves in Excel logs reviewed by the lab engineers.

SKILLS

Troubleshooting

AutoCAD

Oscilloscopes

Mechanical Aptitude

Excel

Word

PowerPoint

Outlook

Attention to Detail

Problem-Solving Skills

EDUCATION

Associate of Applied Science

05/2021

WSU Tech — Wichita, KS

Engineering Technology

CERTIFICATES

OSHA 10-Hour General Industry

04/2022

OSHA Outreach Training Program