

BAUKIS WISE JR

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MECHANICAL ENGINEER

EDUCATION

ALABAMA A&M UNIVERSITY

Bachelor of Science (BS), Mechanical Engineering, GPA: 3.53

Huntsville, AL

May 2026

RELEVANT EXPERIENCE

NASA MARSHALL SPACE FLIGHT CENTER (AMENTUM Space Exploration Group) – Huntsville, AL

Structural Strength & Dynamics Test Engineering Intern

August 2024 – May 2025

- Supported senior Test Engineers in the **planning, execution, and documentation** of structural strength and dynamics tests in compliance with **ET30 procedures**.
- Assisted with **test plan development, scheduling, procurement, and procedural preparation** for mission-critical and flight-qualification hardware.
- Designed and fabricated **test fixtures and setups**, ensuring compatibility with facility constraints, instrumentation, and safety requirements.
- Interpreted **engineering drawings** for facilities, test hardware, customer hardware, and instrumentation layouts.

NASA MARSHALL SPACE FLIGHT CENTER (Jacobs Space Exploration Group) – Huntsville, AL

HWIL / Systems Integration Engineering Intern

May 2024 – August 2024

- Supported **hardware-in-the-loop (HWIL)** and systems integration activities for simulation and verification of flight hardware.
- Troubleshoot **software and hardware integration anomalies**, collaborating with cross-functional teams to resolve system-level issues.
- Assisted in analysis and development within **Linux-based operating systems** to support simulation and integration workflows.
- Contributed to **system integration lab (SIL) testing**, ensuring performance objectives and launch readiness requirements were met.

HONDA MOTOR MANUFACTURING COMPANY – Lincoln, AL

Quality Engineering Intern

May 2023 – August 2023

- Investigated supplier and in-plant part quality issues by performing structured **root-cause analysis (RCA)** to identify failure mechanisms and corrective actions.
- Supported **product safety and compliance** efforts by analyzing damaged or out-of-spec components and determining containment and resolution strategies.
- Documented and reported **dimensional, installation, and functional non-conformances** relative to Honda manufacturing specifications.

Skills and Proficiencies

Core Competencies: Time Management • Problem Solving • Troubleshooting • Communication • Cross-Functional Collaboration • Presentations • Data Analysis

Engineering: Solid Edge • Creo • CATIA • Basic CNC machining skills

Programming/Data Tools: MATLAB, ANSYS Fluent, PTC Windchill, NASA Winplot, Microsoft Office