Megan Holloway

Senior Systems Engineer

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SUMMARY

Senior systems engineer with 8 years of systems engineering on missile defense and launch vehicle programs, holding an active Secret clearance. Leads requirements development, system integration and verification from design review through flight test, and analyzes test data in Python and MATLAB.

SKILLS

- **Systems Engineering**
- **Requirements Development**
- **System Integration**
- **Verification**
- **Validation**
- **DOORS**
- **Python**
- **MATLAB**
- **Troubleshooting**
- **Communication Skills**

EXPERIENCE

Senior Systems Engineer 02/2022 - Present

Redstone Ridge Defense Systems Huntsville, AL

Defense contractor building interceptor and sensor systems.

- Own **1,200** system requirements in DOORS for an interceptor program, tracing each to a verification event.
- Lead system integration of guidance, seeker and propulsion subsystems across 4 suppliers and 2 test sites.
- Write verification and validation plans for 6 ground and flight tests, closing 98% of requirements on schedule.
- Analyze test telemetry with Python and MATLAB, cutting post-test reporting from 3 weeks to 6 days.

Systems Engineer 07/2018 - 01/2022

Tennessee Valley Aerospace Huntsville, AL

Launch vehicle and upper stage engineering firm.

- Developed interface control documents for 14 avionics and payload interfaces on an upper stage.
- Drove troubleshooting of 20 integration anomalies, finding root cause before each launch readiness review.
- Presented trade studies at PDR and CDR to reviewers from 3 government agencies.

EDUCATION

Bachelor of Science 05/2018

Auburn University Auburn, AL

Aerospace Engineering

CERTIFICATES

Certified Systems Engineering Professional (CSEP)

INCOSE

2023