

# LAUREN HENAULT

## QUALITY ENGINEER

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<https://lhenault.wixsite.com/portfolio>

### EDUCATION

**Bachelor of Science  
Mechanical Engineering,**  
Minor in Computer Science  
May 2020  
University of Colorado Boulder

### TECHNICAL SKILLS

Requirements Management  
Risk Management  
Standards Traceability  
V&V Planning  
SOLIDWORKS  
AutoCAD Electrical  
MATLAB  
C++  
Electrical Test Troubleshooting  
Test Plan and Procedure  
Development

### LICENSES & CERTIFICATIONS

- ASQ Six Sigma Green Belt (CSSGB)
- ASQ Risk Management Specialized Credential
- FE Mechanical
- Certified SOLIDWORKS Associate (CSWA)

### TECHNICAL EXPERIENCE

QUALITY ENGINEER II • OCT 2023 – PRESENT  
V&V ENGINEER II • OCT 2022 – OCT 2023  
V&V ENGINEER • FEB 2022 – OCT 2022  
ALTEN Technology • Westminster, CO

Review and support development of requirements to ensure specificity, testability, and completeness, with utilization of FMEA and hazard and risk analysis  
Oversee configuration management and document control to assess for conformity to consistent quality processes, customer requirements, and industry standards and regulations (e.g., AS9100, DO254, ISO13485, ISO9001)  
Identify and remedy discrepancies between project plan, Configuration Item List, test protocols, and ECOs to ensure conformance to internal QMS and certifications

TEST ENGINEER • MAY 2020 – FEB 2022  
Deep Space Systems • Littleton, CO

Troubleshooted space flight hardware and software issues by systematically recreating behavior while determining probable root causes and conforming to AS9100 and MIL-STD-1540E standards  
Wrote clear test procedures and formatted detailed test reports that thoroughly documents procedural and/or numerical deviations

### PROJECTS

MEDTRONIC MACALLAN PCU • JUL 2024 – PRESENT  
ALTEN Technology

Authored comprehensive Product/Quality Assurance Plan detailing quality assurance processes, compliance requirements, and exceptions to flow downs, alongside software product assurance strategies, enhancing overall product reliability and regulatory adherence  
Developed GSE and SOUP validation plan to ensure operational effectiveness

MEDTRONIC TRICUSPID • OCT 2023 – APR 2024  
ALTEN Technology

Collaborated with MDT to support development of design input sources for the TTVR system  
Decomposed technical and design standards into individual clauses within JAMA, establishing traceability from applicable standards to requirements and conducting gap analysis  
Developed preliminary Verification Master Plan, proposing verification strategies aligned with industry standards and leveraging existing MDT testing documentation

STRYKER ANACONDA • JUL 2023 – NOV 2023  
ALTEN Technology

Developed robust verification plan, test procedures, and test reports for a dynamic pressure system designed for efficient clot aspiration  
Oversaw product traceability and project requirement traceability, ensuring adherence to good documentation practices and compliance throughout the development process