

**Jean Jett**  
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Email: [eemc2@comcast.net](mailto:eemc2@comcast.net)

Highly motivated, a strong team player, and an established Technical Writer. Twenty plus years experience in Software Test Engineering / Analysis, including foreign and domestic missile systems, and ten years experience in Quality Assurance. Inactive Secret / Top Secret Security Clearance.

**Major Programs:** *Constellation Ares I*      *THAAD*      *JLENS*      *DISAAMS*  
*Chandra*      *PLV*      *Patriot*

**KEY SKILLS:** *Spacecraft Software Test*      *Man-rated Safety Environment*      *Test Case Design*  
*Software IV&V*      *Complex Missile Systems Test*      *Flight Data Analysis*  
*RSix Sigma Specialist*      *Requirements Interpretation*      *Technical Research*  
*SEI CMM Auditor*      *Requirements Tracing*      *SOLARIS / UNIX*  
*Technical Writer*      *Document Development*      *Exceed / DOORS*  
*Quality Control / Assurance*      *Software Model Test*      *CMMI*

**PROFESSIONAL EXPERIENCE**

**Jacobs Technology, Incorporated, Huntsville, Alabama**  
**Senior Software Test Engineer**

**2008 - Present**

Authored software test case design and associated verification objectives and success criteria, based on functional requirements for the Upper Stage of the Ares I Constellation spacecraft, contracted to the National Aeronautics and Space Administration (NASA). Responsible for Formal software test of the Upper Stage Mission Propulsion System and Upper Stage Electrical Power System, operated by the onboard Flight Computers. Supported test database development for the Upper Stage Mission Propulsion System, Upper Stage Electrical Power System, J-2X Engine, Upper Stage Thrust Vector Control, Roll Control System (RoCS), Reaction Control System (ReCS), Flight Safety System, and Guidance Navigation and Control (GN&C) requirements in the Dynamic Object Oriented Requirements (DOORS) database.

- Derived a large percentage of the Integration, Verification, and Validation (IV&V) test module parameters for the DOORS database, through requirement analysis.
- Supported the successful accomplishment of milestone Preliminary Design Reviews (PDRs).
- Awarded a certificate and lapel pin by the United States Army for on-going support of War Fighters, through correspondence and packages from home.

**Raytheon Company, Huntsville, Alabama**

**2001 - 2007**

**Senior Software Test Engineer** for Raytheon Technical Services Company (RTSC), with specialization in Battalion Track Management. Responsible for requirement interpretation and the IV&V test of assigned portions of the Patriot Missile System at the Software Engineering Directorate (SED).

Raytheon Integrated Defense Systems (IDS), contracted to Lockheed Martin Missiles and Space Company. Supported Systems Engineering Integration and Test for the National Missile Defense Terminal High Altitude Area Defense (THAAD) Program. Authored technical documents describing Test Cases, test methods, and analysis for THAAD software, from Jan'01 – Jan'04. Accomplished test and analysis, from Jan'04 – Oct'04.

- Key participant in successful Patriot software demonstrations, for high ranking military officials.
- Received bonus award for Patriot Missile software demonstrations.
- Completed a total of seven Raytheon Six (RSix) Sigma projects resulting in total annual cost avoidance in excess of \$950K.

- Authored an article on military support group involvement that was accepted for internal publication by Raytheon Company.
- Supported THAAD with test case technical development and writing style consistently held as the standard, by Lockheed Martin and by the Government customer.
- Promoted to Software Test Lead for THAAD Operations Maintenance, Aug'01 - Apr'02.
- Recipient of more than fifteen Raytheon certificates and cash awards for technical writing, technical excellence, RSix Sigma projects, community involvement, and the achievement of corporate goals.
- Received two Raytheon awards for exceptional performance as the Lead for all Raytheon, Huntsville sites for 2004 National Engineers' Week.

***Madison Research Corporation, Huntsville, Alabama***

***1996 - 2000***

**Software Test Engineer/Analyst**

Contracted to Lockheed Martin, NASA, and the Missile and Space Intelligence Center as a specialist in the area of software test engineering. Performed Test and Analysis of the Test Director Console (TDC) portion of the Payload Launch Vehicle (PLV) ground support software interpreting test case design and management of a test procedures document.

Performed Verification and Validation (V&V) testing of the Chandra X-Ray Astrophysics Observatory (space telescope), launched July 1999.

Performed system level IV&V testing of five, Digital Infrared Surface-to-Air Missile Simulation (DISAMS), foreign missile systems. Evaluated the accuracy of these digital simulation models designed to represent real-world missile performance.

Researched feasibility and approach for development of a simulation of the Aerostat portion of the Joint Land Attack Cruise Missile Defense Elevated Netted Sensor (JLENS) defense system. Communicated findings through technical writing.

Performed test and mathematical analysis of system level results, from digital simulation models of infrared seeker guided surface-to-air missiles. Contributed to technical documents, describing test methods and results.

Authored CMM practices and procedures for MRC.

- Received the "Lockheed Martin Exceptional Performance Award" in support of the PLV program, the "Madison Research Outstanding Contributor Award," and two awards from the Vice President of Madison Research Corporation (MRC) for achievements as the first President of the MRC Employee Association.
- Team member tasked with expanding existing and identifying new business opportunities for MRC for four consecutive years.
- Documented, planned, and implemented ISO and Software Engineering Institute (SEI) Capability Maturity Model (CMM) standards, at MRC. Successful internal assessment of SEI CMM Level II.
- Selected by the President of MRC, John Stallworth, for numerous special projects.

**Education:**

Bachelor of Science  
Physics, Purdue University, West Lafayette, Indiana

**Certifications:**

SEI CMM Level II and Level III Auditor  
Raytheon Six Sigma Specialist

**Additional Computer Applications:**

MS Office      MatLab      VectorCAST      Maestro / Artemis