Skills

**Risk and Opportunity Management**

**Earned Value Management**

**Supplier Management**

**Configuration Control**

**Requirements Review**

**Process Development**

**Total Life Cycle Experience**

**Parametric tools and analysis**

Education

**M.S. Engineering Management** Drexel University

**B.S. Aerospace Engineering** Penn State University

ProfessionalOrganizations

**Vertical Flight Society**

**Society of Allied Weights Engineers**

Contact Information

[**rfm5023@gmail.com**](mailto:rfm5023@gmail.com)

**(215)-410-2411**

**Blue Bell, PA**

Experience

The Boeing Company; 2011-Present

**Lead Engineer – FLRAA Program**

* Manage a team of 6 engineers across Boeing and Lockheed Martin remotely during COVID-19 to continue to deliver results on fast pace program schedule
* Collaborate with all Integrated Product Teams (IPTs) in order to generate key performance metrics
* Lead Risk and Opportunity program in order to manage performance metrics including creating schedule and estimated cost of potential Risks & Opportunities
* Conduct weekly deep dive reviews of performance metrics with program leadership

**Lead Engineer - MH-139 Program**

* Manage configuration through multiple international suppliers that require supplier management plans and coordination
* Develop new documentation to satisfy contractual requirements per latest industry standards
* Manage Risks and Opportunities with a risk mitigation and opportunity capture plans through proprietary database

**Project Engineer and Cost Account Manager - H-47 India Program**

* Manage the schedule and cost accounting of Technology team up according to earned value management best practices
* Interface between subject matter experts and program management to ensure completion of program requirements and Contract Data Requirements

**Mass Properties Lead - V-22 CCRAM**

* Created documentation for mass properties process for the V-22 Common Configuration Readiness and Modernization program (CCRAM)
* Developed weight estimates for 50 Engineering Change Proposals for CCRAM

**Mass Properties Lead - V-22 Japan**

* Generate initial weight allocations for the based upon various options chosen by the customer and manage weight allocations and design throughout program
* Developed alternate aircraft loading and configuration analysis to relieve center of gravity issues

**Mass Properties Engineer**

* SB>1 DEFIANT - Manage the Main Rotor Drive System and Propulsion IPTs weight from parametric-based weights through critical design and developed detail designed part and assembly weights for drawing release
* SB>1 DEFIANT - Participate in active weight control plan that tracks Weight Improvement Plans and Risks and present monthly updates to program management
* Mass Properties Community Of Practice – Develop a tool to estimate a percentage of contingency required for a program based on historical data across BDS aircraft using 10 factors