



*Adaptive Aerospace Group, Inc.  
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#### Position Description: Flight Dynamics Analyst (R&D Engineer)

AAG is a small business staffed by creative aerospace research and development experts that seek unique yet practical solutions in flight dynamics and control and aerospace operations. We conceive, design, execute, and report on simulation and flight experiments. We combine our diversified experience and insight with superior communication and integrity to generate high quality work as stewards of our clients' reputations.

AAG is currently seeking qualified candidates for the position of R&D Engineer (entry level up to five years of experience).

Duties: This person will be part of a team performing analysis of the flight dynamics of air- and space-craft via simulation and in-flight testing.

#### Desired Qualifications:

- Bachelor's degree in aerospace engineering, electrical engineering, physics or related field from an accredited four-year college.
- Knowledge of six-degree of freedom equations of motion for rigid-body aircraft and/or spacecraft.
- Experience or training in feedback control systems.
- Experience and demonstrable expertise in MATLAB/Simulink.
- Familiarity with common Microsoft Office tools (Word, Excel, PowerPoint, Outlook).

#### Beneficial Qualifications:

- An advanced degree or demonstrated progress toward an advanced degree in a related field.
- Training or experience with Kalman Filter techniques.
- Training or experience in System Identification techniques.
- An understanding of the National Airspace System.
- Demonstrable experience in software development including creating, compiling and debugging code.
- Experience with or training in C and/or C++.
- Experience with or training in Java.
- Familiarity with git or other revision control system.

Please send resumes to [info@adaptiveaero.com](mailto:info@adaptiveaero.com).