

## **Hardware-in-the-loop Modeling Simulation Engineer**

### **Responsibilities**

This position will be located in Draper Odon, IN office. Engineer will work independently and with others in modeling and simulation of first-of-a-kind dynamic systems. Systems supported include spacecraft, aircraft, and underwater vehicles, both supervised and autonomous. Hands-on experience developing real-time hardware-in-the-loop simulations, C/C++ software development in Unix environment, and MATLAB/Simulink is required. An excellent working knowledge of simulation, dynamics, and control systems is necessary. Experience developing I/O drivers is strongly preferred. Experience in distributed simulation, the Mathwork's xPC Target, and seeker/sensor-in-the-loop simulation (vision sensor, IR, etc) is preferred. A working knowledge of 3D graphics is desirable. The individual should be a highly motivated, self-starter with willingness to learn and participate in an exciting team environment. Excellent written and oral communication skills at a technical level are required. The ability to understand and address customer needs in an efficient and timely manner is essential.

### **Qualifications**

Minimum BS in relevant engineering discipline with 5+ years professional experience. MS preferred in Aero/Astro, Electrical, or Mechanical plus 3+ years professional experience. 2+ years hands-on development of hardware-in-the-loop simulation systems is required.

Applicants selected will be subject to a government security investigation and must meet eligibility requirements for access to classified information.