



## Job Description

Title: Human Factors Engineer II

### **Purpose:**

The role of a Human Factors Engineer II is to work collaboratively with team members to plan, execute, and evaluate training research in support of defense, other government, or industry clients. Research topics will include: training systems design, training effectiveness evaluation, adaptive training, human performance assessment using behavioral and physiological means, and other related topics. Additionally, the Human Factors Engineer II may design objects, facilities, or environments to optimize human well-being and overall system performance, applying theory, principles, and data regarding the relationship between humans and respective technology. HFEs will also investigate and analyze characteristics of human behavior and performance as it relates to the use of technology. The HFE II will be able to lead and manage projects with minimal oversight.

### **Duties and Responsibilities:**

- Lead / assist in preparing critical reviews of research literature
- Lead / support the execution of research project plans
- Lead / support activities such as user needs analysis, cognitive task analysis and other analyses to identify training needs
- Apply human factors principles and theory to design
- Interface with clients and ensure they receive excellent service
- Lead / support data collection activities
- Conduct statistical analyses using software including SPSS and Excel
- Lead / assist in the preparation of project reporting requirements (e.g., monthly and final reports, presentations, briefings)
- Actively participate in the training research community through conference presentations and publications
- Lead / assist in preparation of proposals

### **Qualifications:**

- U.S. Citizen
- MS/MA in Human Factors, Cognitive or Experimental Psychology, Applied Psychology, Modeling and Simulation or other relevant area of study *and* 6+ years of related experience **OR** PhD in this area of study with 4+ years of related experience.
- Expertise in technology-based training, human performance assessment, game-based training, simulation, adaptive training, mobile learning or instructional design (strongly preferred)
- Familiarity with military training (strongly preferred)

- Strong written and oral communication skills
- Experience leading experimental research projects related to human performance, human factors, education, or training
- Experience leading data collection efforts
- Familiarity with Microsoft Word, Excel, Powerpoint, Project, SPSS
- Ability to maintain a SECRET level clearance

**Work Environment:**

This position does not require physical activities beyond a typical office environment. It does require computer use, web-based video communications (e.g. Skype), and telephone use.

**Travel:**

The Human Factors Engineer II will be expected to travel up to 10-25% of working hours per month for the following purposes:

- Data collections and information gathering at military, other government, and industry installations
- Conference presentations and attendance
- Team and organizational meetings (if remote)
- Business development opportunities

**Security Clearance:**

All employees must have or be capable of acquiring a Secret DoD security clearance. Guidelines indicating those items that may prevent you from obtaining a security clearance can be found here: <http://www.fas.org/sgp/isoo/guidelines.html>.