QUANTUM IMPROVEMENTS
CONSULTING

Job Description

Title: Senior Scientist
(Learning Technology)

Purpose:

The role of the Senior Scientist is to lead the planning, execution, and evaluation of applied research and development projects in support of defense, other government, or industry clients. Research topics will include the design and development of next-generation learning and development technologies, human performance assessment, and other related topics. The Senior Scientist will develop mission and business-relevant prototypes and practices, co-author papers and research proposals, execute research studies, and present findings. The Senior Scientist will also support management in business development efforts by managing an active portfolio of new and existing clients.

Duties and Responsibilities:

- Serves as Principal Investigator and/or project manager on Federal and DoD research and development contracts related to learning, training, and educational technology and performance support technologies
- Leads and mentors multidisciplinary teams of learning science professionals
- Secures funding through proposal writing and other business development opportunities
- Manages relationships with government and industry clients, stakeholders, and end users
- Ensures project tasking is executed in an efficient way consistent with company and industry standards and scientific understanding

Qualifications:

- U.S. Citizen
- Ph.D. in a field related to learning sciences, technology design, instructional design, applied psychology, human factors, or other relevant area of study *and* 10+ years of related post-graduate work experience
- Subject matter expertise in technology-based training, human performance assessment, game-based training, simulation, immersive reality (e.g., AR, VR, MR), adaptive training, mobile learning or instructional design
- Experience performing on government research and development contracts and interacting with military and other government customers

- Demonstrated success in leading experimental research projects related to human performance, human factors, education, or training
- Demonstrated success in leading experimental research
- Demonstrated success in leading field data collection efforts
- Demonstrated success conducting complex statistical analyses including multiple regression and ANOVA
- Strong written and oral communication skills
- Familiarity with Microsoft Word, Excel, PowerPoint, Project, SPSS

Work Environment:
The majority (75%) of this position is situated in a typical office environment and includes the use of a computer (6-8 hours per day), telephone, and web-based video communications. The remaining 25% of time may include activities at customer sites such as military installations and other commercial industrial or office settings. Working in any field environment you may be exposed to the elements (hot or cold temperatures, sun, wind, snow, rain, etc.). Military installations may require work in wilderness settings and handling or being near live ammunition and weapons. Activities required will include traveling (flying or driving) for long periods, may require walking or standing for long durations (6-8 hours), crouching, kneeling, and carrying equipment. You may be required to wear additional safety equipment including but not limited to a helmet, eye and ear protection, safety vest, and steel-toed boots.

Travel:
The Senior Scientist will be expected to travel up to 25% of working hours per month for the following purposes:

- Business development opportunities

- Conference presentations and attendance

- Team and organizational meetings (if remote)

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.

Background Check and Drug Testing:
Our clients may require background checks and drug testing.