



Psychologist, Expertise in Human Factors & Analytic Tools for Understanding Complex Data

Research Psychologist (DR-0180-02)

Job Overview

The Mission Analytics Branch of the 711th Human Performance Wing within the Air Force Research Laboratory (711 HPW/RHWA) seeks to hire a highly qualified Research Psychologist to support the System Analytics Core Research Area.

Position duties include, but are not limited to:

- Conducts basic and applied scientific and technical (S&T) research utilizing psychological theories, constructs, and knowledge in the advancement of cognition-augmenting analytic tools for Intelligence, Surveillance, and Reconnaissance (ISR) analysts and other USAF occupations interacting with complex data sets.
- Leads in-house S&T research and experimentation designed to identify research gaps, improve performance of ISR analysts and other data analysts. Applies knowledge gained from fundamental research to develop systems that support natural human-machine collaboration.
- Uses knowledge of human factors knowledge and concepts to conduct studies and research projects involving research of psychological theories, constructs, and knowledge.
- Performs experimental design, statistical analysis, and basic software development for data presentation, collection, and analysis.
- Conducts independent planning and supervision of scientific and engineering efforts, as well as, the ability to establish and maintain collaborative relationships with researchers at other DoD and government organizations, academia, and industry.
- Serves as technical expert and/or committee member for special studies, projects, task forces, or professional organizations as assigned.
- Initiates, plans, executes, controls, and closes-out S&T projects

Required Qualifications

- United States Citizenship



- Applicants must have at least one (1) year or 52 weeks of specialized experience. Specialized experience must include professional engineering, scientific OR psychological research theory experience leading and managing human performance research and development programs to enable, enhance, sustain, and restore the health and human performance of the multi-domain Airman and Guardian; AND experience collaborating with educational and research institutions.
- For general information on qualifying education, experience, and combination of education and experience requirements which are defined based on the level of the position being filled click on the following [link](#).

Desired Qualifications

- Expertise in user interface design and evaluation with automation aids, and knowledge of the relevant scientific literature.
- Familiarity with analytic tools for improving sensemaking with complex data sets, and knowledge of the relevant scientific literature
- Experience designing critical experiments to address knowledge gaps in the relevant literature and an acquired understanding of real-world, operational environments.
- Experience collecting and analyzing data, and reporting results to the scientific/DoD community.
- Ability to guide software/engineering teams to develop novel interface concepts based on research findings

Location: Wright-Patterson Air Force Base, Dayton, Ohio

Salary Range: \$79,647 - \$123,124