



## Research Engineer with Experience Analyzing Social Media or Intelligence Data

Research General Engineer (DR-0801-02)

### Job Overview

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

### Position duties include, but are not limited to:

- Responsible for conducting scientific and technical research and adapting known scientific principles to the development of advanced Information Environment and Intelligence Surveillance and Reconnaissance (ISR) analysis support tools.
- Contributes to all phases of basic research, applied research, and prototype development involving technology advancements supporting human-machine teaming within the Information Environment and ISR mission domain.
- Performs various duties concerned with the application of, or research into, methods and techniques related to computer hardware and software and their integration.
- Performs professional engineering work involving the application of the theoretical foundations of computer system architecture, system software organization and the modeling of the representation and transformation of information structure.
- Determines how best to accomplish research objectives, develops and evaluates alternatives, designs and conducts experiments, analyzes and interpret results, publishes papers and technical reports, delivers presentations of research results, and monitors in-house activities.
- Responsible for requirements definition, system design and development, configuration management, software unit testing, and software documentation.
- Member will also be responsible for, technically and financially managing Research and Development (R&D) projects and contracts. In addition, member develops program plans and procurement documentation, coordinates within own organization to support technology transition/transfer solutions in the pursuit of these objectives.

### Required Qualifications



- United States Citizenship
- This position is an Acquisition Professional Development Program (APDP) position requiring Level II Non-Critical certification in Science and Technology Management (STM). The selectee will have 24-months to meet APDP requirements or a waiver must be obtained. Applicants for this position must list any acquisition certifications and status as an acquisition corps member in their resume.
- 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**

- Ideally, familiarity with existing social media or intelligence analysis tools and software
- Expertise in software techniques for analysis of social media data AND/OR
- Expertise in software techniques for analysis of classified intelligence data
- Knowledge of analytic tools for improving sensemaking with complex data sets, and knowledge of the relevant scientific literature
- Experience collecting and analyzing data, and reporting results to the scientific/DoD community.

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

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