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Loaned Executive Program
Assignment Announcement

Private Sector Expert Technologist or Executive Technical Strategist, Artificial Intelligence and Machine Learning, I&A

Description:

The U.S. Department of Homeland Security (DHS) seeks to bring in a Loaned Executive to advise the Office of Intelligence and Analysis (I&A) Homeland Identities, Targeting, and Exploitation Center (HITEC) on the development and integration of Artificial Intelligence (AI) and Machine Learning (ML) technologies to be applied to intelligence and analysis programs within DHS I&A. The effort will convene representatives from I&A targeting and identities analysts, systems and data engineers, software and web development experts, as well as the potential for interagency coordination across the Intelligence Community. The goal of this position is to gain insight into, leverage, and adopt the most cutting-edge AI/ML technologies being used in the private sector, such as novel approaches to sentiment analysis and decision tree learning, to process large amounts of data and draw conclusions about the data's intelligence and operational value; and to collaborate within a classified environment to enable an in-depth understanding of how AI/ML can be engineered and integrated in classified, cloud-based environments, in a manner that allows HITEC to more effectively and efficiently counter national security threat actors.

This effort is consistent with, and will enhance, I&A's ability to execute on National Security Presidential Memorandum (NSPM) 7 requirements to effectively analyze, evaluate, integrate, correlate, and share classified national security information and other information concerning threat actors and their networks, and use that information to support a broad array of national security missions and activities. The position requires an individual who can provide the most cutting-edge expertise and experience directly related to AI/ML, such that I&A can apply these emerging capabilities to our efforts related to discovering and producing identity and network-based intelligence related to all National Security Threat actors, including those pertaining to counter-terrorism, counterintelligence and transnational organized crime. This candidate will advise HITEC analysts and technical professionals on current manual research and methodologies and identify well-defined use cases where cutting-edge AI/ML approaches being leveraged in the private sector can be employed to in the public sector to accelerate the identification and the USG's understanding of national security threat actors. Likewise, the candidate will advise HITEC software engineers on how to pilot and deploy an AI/ML solution to enhance the ability to process large amounts of data in abbreviated timeframes, in conjunction with existing and emerging in-house technological solutions. The successful candidate must have the ability to demonstrate in depth expertise and knowledge of AI/ML.

Successful candidates must also hold, or have the ability to obtain, a top secret with sensitive compartmented information security clearance.

Length:

The position is a 12-month assignment with the option for a 12-month renewal.

Component:

I&A

Location:

The loaned executive will work via temporary employment, as defined in 5 CFR § 304.102. The work schedule is part time in Washington D.C. During this period, the external expert will serve part time and be embedded in HITEC.

Duties and Responsibilities:

- Analyze where the integration of AI/ML will be most impactful on the DHS I&A and HITEC intelligence analysis missions and programs;
- Identify and provide recommendations to facilitate the development of innovative technical approaches, solutions, and commercial, open, or novel emerging applications used in the private sector to enhance our intelligence analyses; and
- Provide expert advice to advance the implementation and integration of AI/ML technical solutions into existing technologies.

Eligibility Requirements:

All candidates must:

- Be a U.S. Citizen.
- Be able to meet DHS top secret with sensitive compartment information security clearance requirements. All clearance-related issues need to be resolved in advance of the actual assignment to ensure immediate operational engagement.
- File a Confidential Financial Disclosure Report (OGE Form 450) upon initial selection.

Application Deadline:

Open until filled.

Application Requirements and How to Apply:

To apply, please e-mail a resume with "HITEC" in the subject line to loanedexecutive@hq.dhs.gov.

Whom to Contact for Additional Information:

Hala V. Furst at Hala.Furst@hq.dhs.gov.

Additional Content:

In accordance with the Federal Acquisition Regulation (FAR) Subpart 9.5 and the Homeland Security Acquisition Regulation (HSAR) Subpart 3009.5 (48 CFR 30009.507), a potential organizational conflict of interest exists pertaining to the services provided pursuant to this assignment announcement and mitigation may not be possible. HSAR Clauses 3052.209-72 (Organizational Conflict of Interest) and 3052.209-73 (Limitation of Future Contracting) are applicable to this assignment announcement.

The work the Loaned Executive will perform in this assignment may result in an actual or potential conflict of interest or may provide the Loaned Executive and/or the Company of the Loaned Executive with the potential to attain an unfair competitive advantage in performing work under existing contracts or competing for future procurement(s). A conflict of interest may arise as a result of a Loaned Executive:

  a) Having access to nonpublic information that may provide a firm an unfair competitive advantage in a current contract or future competition for a government procurement.
  b) Advising on benchmarks, policy, or technical requirements that may be used in future procurements.
  c) Advising on technical requirements and products that DHS may require in future procurements.

If any such conflict of interest is found to exist, DHS may request the Company of the Loaned Executive identify appropriate provisions to avoid, neutralize, or mitigate such conflicts. If however, DHS determines that the actual conflict cannot be avoided, neutralized, mitigated or otherwise resolved to the satisfaction of the Government, the proposed Loaned Executive may be ineligible to participate in the Program. Additionally, the work to be performed under this assignment may preclude the Company of the Loaned Executive from participating as a prime or first-tier subcontractor under an ensuing DHS contract where it is determined by the Government that a significant conflict of interest exists.