Opportunity Title: Advanced Machine Learning-Based Postdoc Research
Opportunity Reference Code: USAFSAM-8818401545

Organization U.S. Air Force

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Description One postdoc research opportunity is availabile with the United States Air Force School of Aerospace Medicine Department of Aeromedical Research. This opportunity will be located in Baltimore, MD. USAFSAM is seeking a Postdoctoral canddiates with a background in electrical engineering or computer science with experience in analyzing big data, waveforms, advanced machine learning techniques and predictive algorithms.The appointment is scheduled to last at least twelve months, possibly up to total of five years pending available funding. The funding is approved in twelve month intervals. The annual equivalent stipend for the appointment period is $96K.

A major focus of the USAF research at CSTARS Baltimore has focused on the development and testing of real-time advanced machine learning-based computer algorithms that process continuous streams of trauma patient physiological data (waveforms and data points) and predict the need for life saving interventions (such as blood transfusion) and the clinical course of the patient. The intern will participate in applying advanced machine learning to process continuous physiological data to create decision support algorithms.

U.S. Citizenship is REQUIRED

Qualifications PhD in electrical engineering or computer science with experience in analyzing big data, waveforms, advanced machine learning techniques and predictive algorithms.

U.S. Citizenship is required.

Eligibility Requirements

- **Citizenship:** U.S. Citizen Only
- **Degree:** Any degree .
- **Discipline(s):**
  - **Computer, Information, and Data Sciences** (16 👁)
  - **Physics** (16 👁)