

Opportunity Title: Summer 2024 Artificial Intelligence and Machine Learning

Faculty Fellow

Opportunity Reference Code: DEVCOM-CBC-2024-0004-F

Organization U.S. Department of Defense (DOD)

Reference Code DEVCOM-CBC-2024-0004-F

How to Apply Click on *Apply* at the bottom of the opportunity to start your application.

Description The Research and Operations Directorate at the DEVCOM Chemical Biological Center (CBC) is offering a 10-week faculty summer fellowship at the facility at the Aberdeen Proving Ground in Maryland.

What will I be doing?

As an ORISE participant, you will join a community of scientists and researchers in an effort to gain insight into designing experiments and data generation and management principles.

Why should I apply?

Under the guidance of a mentor and as a summer fellow participating in the Research and Operations Directorate, you will have the opportunity to engage with the DEVCOM CBC researchers to understand how design of experiments, learn robust data generation and management principles, and gain further understanding in how AI/ML can be applied to programs and generate better, more robust results. You will collaborate with teams on proper application of principles, use of relevant software and models, and assist with the design of experiments. In addition, you will have the opportunity to expand your learning across multiple discipline areas, including but not limited to engineering and prototyping, respiratory protection, materials science and engineering, and biological sciences. This experience will allow you to broaden your awareness of an experience with many different problem sets across several areas in the chemical and biological assessment and protection space.

Where will I be located?

Aberdeen Proving Ground, Maryland

What is the anticipated start date?

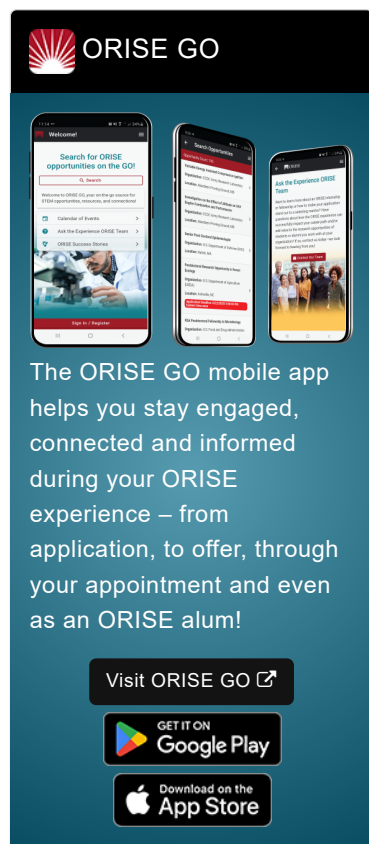
The preferred start date is May 15, 2024; however, exact start dates will be determined at the time of selection and in coordination with the selected candidate. Applications are reviewed on an ongoing basis and internships or fellowships will be filled as qualified candidates are identified.

What is the appointment length?

This appointment is a 10-week summer research appointment, with the possibility to be renewed for additional research periods. Appointments may be extended depending on funding availability, project assignment, program rules, and availability of the participant.


What are the benefits?


You will receive a stipend to be determined by DEVCOM CBC. Stipends are typically based on a participant's academic standing, discipline, experience,




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and research facility location. Other benefits may include the following:

- Health Insurance Supplement (*Participants are eligible to purchase health insurance through ORISE*)
- Relocation Allowance
- Training and Travel Allowance

About DEVCOM CBC

The DEVCOM Chemical Biological Center (DEVCOM-CBC) is the primary Department of Defense technical organization for non-medical chemical and biological defense. DEVCOM-CBC activities at the Edgewood portion of Aberdeen Proving Ground, Maryland, provide an extraordinary capability against emerging biological and chemical threats by merging intelligence assessments with its world-renowned chemistry, biology, physiology and engineering expertise at every stage of the acquisition life cycle. We provide a unique blend of distinguished scientists and engineers for the research and development of innovative technological solutions to solve chemical and biological defense threats to our nation—both abroad and on the homeland. For more information about the DEVCOM-CBC, please visit <https://www.cbc.devcom.army.mil>.

About ORISE

This program, administered by Oak Ridge Associated Universities (ORAU) through its contract with the U.S. Department of Energy (DOE) to manage the Oak Ridge Institute for Science and Education (ORISE), was established through an interagency agreement between DOE and DoD. Participants do not enter into an employee/employer relationship with ORISE, ORAU, DoD or any other office or agency. Instead, you will be affiliated with ORISE for the administration of the appointment through the ORISE appointment letter and Terms of Appointment. Proof of health insurance is required for participation in this program. Health insurance can be obtained through ORISE. For more information, visit the [ORISE Research Participation Program at the U.S. Department of Defense](#).

Qualifications The qualified candidate is a faculty member at an accredited institution of higher education with a Ph.D. in Industrial Engineering, Systems Engineering, Mathematics, or similar. Highly qualified candidates will have experience with teaching at the collegiate level and with developing relevant teaching materials as related to AI/ML.

Highly preferred skills and experience include:

- statistical analysis
- design of experiments
- artificial intelligence
- machine learning

Application Requirements

A complete application consists of:

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- Zintellect Profile
- Educational and Employment History
- Essay Questions (goals, experiences, and skills relevant to the opportunity)
- Statement of Research Interests
- Resume (PDF)

If you have questions, send an email to ARMY-RDECOM@orise.orau.gov. Please list the reference code of this opportunity [DEVCOM-CBC-2024-0004-F] in the subject line of the email. Please understand that ORISE does not review applications or select applicants; selections are made by the sponsoring agency identified on this opportunity. All application materials should be submitted via the “Apply” button at the bottom of this opportunity listing. Please do not send application materials to the email address above.

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- Eligibility Requirements**
- **Citizenship:** U.S. Citizen Only
 - **Degree:** Doctoral Degree received within the last 240 month(s).
 - **Discipline(s):**
 - **Computer, Information, and Data Sciences** ([17](#) )
 - **Engineering** ([27](#) )
 - **Mathematics and Statistics** ([11](#) )
 - **Science & Engineering-related** ([2](#) )
 - **Veteran Status:** Veterans Preference, degree received within the last 120 month(s).

Affirmation I affirm that I am a current faculty member at an accredited higher education institution.