**Opportunity Title:** Postdoctoral Fellowship in Human-Computer Interaction Research For Cyberspace Modeling and Simulation Training at DEVCOM-SC
**Opportunity Reference Code:** DEVCOM-SC-2022-0004-R

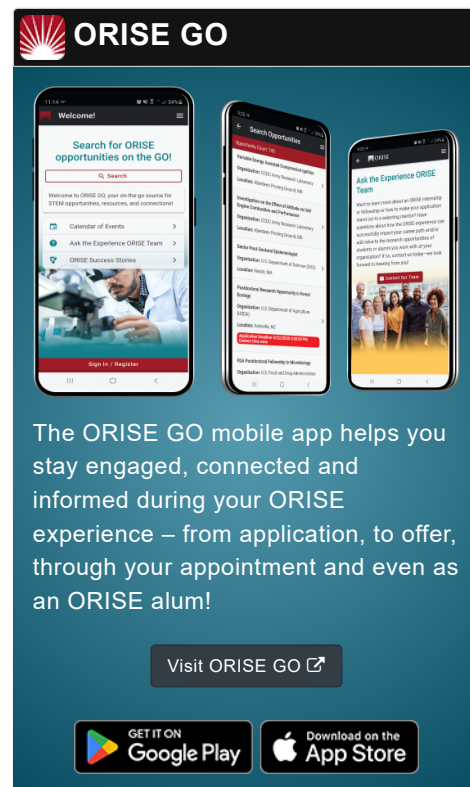| | |
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| **Organization** | U.S. Department of Defense (DOD) |
| **Reference Code** | DEVCOM-SC-2022-0004-R |
| **How to Apply** | Click on *Apply* at the bottom of the opportunity to start your application. |
| **Description** | The Cyberspace Warfare for Training (CyWar-T) program, Advanced Modeling and Simulation Team, Training and Simulation Division, Soldier Effectiveness Directorate, DEVCOM Soldier Center is in search of a Computer Science, Human Computer Interaction Postdoctoral Fellow to support the Information Environment Simulation for Training (INFEST) research effort in conjunction with the Army Cyber Institute, United States Military Academy, West Point, NY. CyWar-T focuses on providing "Cyber-for-Others" training solutions via Modeling & Simulation where the users are described as individuals who are not classically trained in Cyber but need to interact with Cyberspace M&S, for example a military commander. |

**What will I be doing?**

As an ORISE participant, you will join a community of scientists and researchers in an effort to discover, measure, and assess the capabilities of both existing and new/novel Modeling and Simulation (M&S) systems that are used in Cyberspace Training, from the perspective of data capturing, organizing, and presenting information to the user. For the purposes of this research, Cyberspace is defined from the broadest perspective possible to include, but not limited to: Intelligence, Information, Cyber, Electronic Warfare, and Space (I2CEWS). With the availability of technology solutions continuing to grow, development and assessment is needed to be able to support soldier-centered design. Specific thrust areas include Information Processing, Experimental Data Collection Systems, Cognition, Measurement, and User Experience.

This opportunity is a deep dive into the Information Environment (IE) to include characteristics like layers of information, information complexity and applicability to the Army's Operational Environment (OE). This will include the identification and familiarization of tools presently available across the force, tools current in the Army Science & Technology portfolio as well as those available via commercial or international partners. The results of this effort aim to provide guidance and recommendations to DoD capability developers on appropriate Human Factors methods, data types, and information flows to support Measures of Effectiveness (MOEs) and Measures of Performance (MOPs) in IE Modeling and Simulation. Products from this effort can include, but are not limited to: technical reports to Army S&T stakeholders, conference presentations and proceedings, technical information diagrams, and journal publications.

This fellowship provides a collaborative opportunity between DEVCOM Solider Center and the Army Cyber Institute which enables access to subject matter experts (both military and civilian) in support of this mission. This research takes place at the Army Cyber Institute (West Point, NY) and fosters an environment of innovation, critical thinking, and real-world application of Human Factors theory to Army challenges.

**Where will I be located?**

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West Point, New York

**What is the anticipated start date?**

DEVCOM SC is ready to make appointments immediately. 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 twelve month 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 SC. Stipends are typically based on a participant's academic standing, discipline, experience, 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 SC**

For more information about DEVOM SC, please visit https://**www.army.mil**/**DEVCOM.**

**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 will have a doctoral degree or should be currently pursuing a doctoral degree with an expected graduation date by May 31, 2022. Degree must have been received within five years of the appointment start date.

Highly competitive applicants will have education and/or experience in one or more of the following:

- Ph.D. in Computer Science, Human Factors, Human-Computer Interaction, or

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related field.

- Experience with programming languages such as Python.
- Experience in cyberspace training / modeling and simulation.

**Application Requirements**

A complete application consists of:

- Zintellect Profile
- Educational and Employment History
- Essay Questions (goals, experiences, and skills relevant to the opportunity)
- Resume (PDF)
- Transcripts/Academic Records - For this opportunity, an unofficial transcript or copy of the student academic records printed by the applicant or by academic advisors from internal institution systems may be submitted. Click here for detailed information about acceptable transcripts.
- One Recommendation

If you have questions, send an email to ARMY-RDECOM@orise.orau.gov. Please list the reference code of this opportunity [DEVCOM-SC-2022-0004R] 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.

***Connect with ORISE...on the GO!*** Download the new ORISE GO mobile app in the Apple App Store or Google Play Store to help you stay engaged, connected, and informed during your ORISE experience and beyond!

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| **Eligibility Requirements** | - **Citizenship:** U.S. Citizen Only<br>- **Degree:** Doctoral Degree received within the last 60 months or anticipated to be received by 5/31/2022 12:00:00 AM.<br>- **Discipline(s):**<br>  - **Computer, Information, and Data Sciences** (17 👁)<br>  - **Engineering** (27 👁)<br>  - **Life Health and Medical Sciences** (48 👁)<br>  - **Mathematics and Statistics** (11 👁)<br>  - **Social and Behavioral Sciences** (2 👁) |