**Opportunity Title:** Extended Reality Technology Postgraduate Fellowship
**Opportunity Reference Code:** USAISR-2026-0008

**Organization** U.S. Department of Defense (DOD)

**Reference Code** USAISR-2026-0008

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

**Description** The U.S. Army Institute of Surgical Research (USAISR) is offering a postgraduate bachelor's or master's internship at Joint Base San Antonio (JBSA).

**What will I be doing?**

As an ORISE participant, you will join a community of scientists, engineers, and researchers in an effort to develop medical clinical decision support systems utilizing extended reality technology. You will participate in various projects utilizing software engineering, human factors usability, and design/visualization in developing applications to optimize combat casualty care. These projects include augmented/mixed reality systems, headset/sensor evaluations, integration of medical sensors/devices to headsets, and creating innovative solutions for immersive clinical guidance systems. This is an excellent opportunity for someone eager to grow skills in XR development.

**Why should I apply?**

Under the guidance of a mentor, you will learn and gain experience in a variety of research activities, including:

- Designing, developing and applying XR applications and end user experiences
- Writing code using programming languages such as C#, C++, Python, Kotlin, Java or Swift
- Developing and implementing APIs to write XR applications and use OpenXR standards
- Creating mixed environments and interactions using game engines like Unity or Unreal Engine
- Using SwiftUI and Xcode platforms
- Creating graphical 3D holographic designs
- Conducting human translational research studies.
- Disseminating your research through scientific research journals, presentations, and technology demonstrations

**Where will I be located?**

San Antonio, Texas

**What is the anticipated start date?**

The USAISR 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.

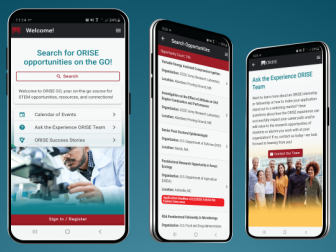
**What is the appointment length?**

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 provisions?**

You will receive a stipend to be determined by USAISR. Stipends are typically based on a participant's academic standing, discipline, experience, and research facility location. The stipend

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range for this opportunity for post-bachelor's is $64,000.00 - $69,275.66 and post-master's is $75,000.00 - $81,100.00. Other provisions may include the following:

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

**About USAISR**

The U.S. Army Institute of Surgical Research is one of six research laboratories within the U.S. Army Medical Research and Development Command of the U.S. Army Medicine Command. The Institute is the Army's lead research laboratory for improving the care of combat casualties. The mission of the Institute is to "Optimize Combat Casualty Care". For more information about the USAISR please visit https://usaisr.health.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 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 bachelor's or master's degree in Computer Science, Software Engineering, or other eligible discipline. Degree must have been received within five years of the appointment start date. U.S. military veterans who have been honorably discharged (or who have been medically discharged because of a service-connected disability) and who received a bachelor's or master's degree within ten years of the desired start date are also eligible.

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

- Software development (augmented, mixed, or virtual reality)
- XR hardware platforms (e.g. HoloLens, Apple Vision Pro, Quest, Vive, etc)
- Human factors engineering
- Certifications in Nelson's usability heuristics

**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 - Please upload a copy of a transcript for your current or most

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recent degree program that meets the disciplinary qualifications of the opportunity. Click here for detailed information about acceptable transcripts.

- Two Recommendations. We encourage you to contact your recommenders as soon as you start your application to ensure they are able to complete the recommendation form and to let them know to expect a message from Zintellect. Recommenders will be asked to rate your scientific capabilities, personal characteristics, and describe how they know you. You can always log back in to your Zintellect account and check the status of your application.

If you have questions, send an email to ARMY-MRMC@orise.orau.gov. Please list the reference code of this opportunity [USAISR-2026-0008] 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!

**Stipend** $64,000.00 – $81,100.00 Yearly

**Point of Contact** Debbie

**Eligibility Requirements**

- **Citizenship:** LPR or U.S. Citizen
- **Degree:** Bachelor's Degree or Master's Degree received within the last 60 month(s).
- **Discipline(s):**
  - **Computer, Information, and Data Sciences** (4 👁)
  - **Engineering** (1 👁)
- **Veteran Status:** Veterans Preference, degree received within the last 120 month(s).