

Opportunity Title: Postgraduate Applied Cognitive Researcher

Opportunity Reference Code: MRCD-HQ-2020-0004

Organization U.S. Department of Defense (DOD)

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How to Apply Components of the online application are as follows:

- Profile Information
- 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.](#)
- 1 Recommendation(s)

Submitted documents must have all social security numbers, student identification numbers, and/or dates of birth removed (blanked out, blackened out, made illegible, etc.) prior to uploading into the application system.

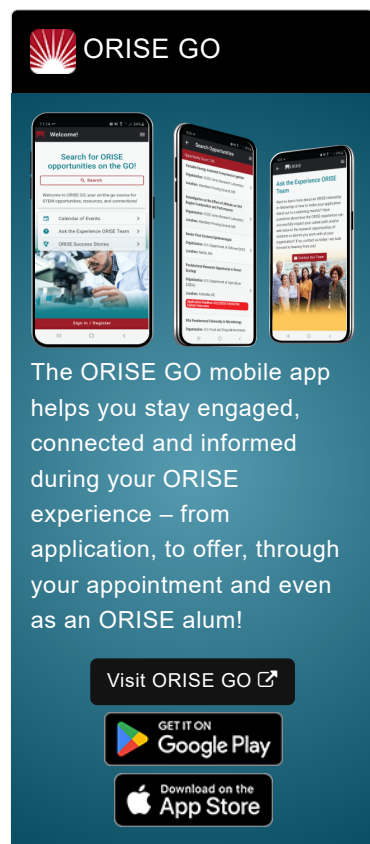
If you have questions, send an email to ARMY-MRMC@orise.orau.gov. Please list the reference code of this opportunity in the subject line of the email.

All documents must be in English or include an official English translation.

Letter of Recommendation: While a letter of recommendation is not required to be considered, applicants are required to provide contact information for one recommendation in order to submit the application. Applicants are encouraged to request a letter of recommendation before submission as this may help reviewers have a better understanding of the applicant's qualifications and interests. If selected, a letter recommendation must be submitted on your behalf upon acceptance of the appointment.

Description Naval Air Warfare Center is located in Orlando, FL. It is the principal Navy center for research, development, testing, evaluation, acquisition and product support of training systems. We also provide inter-service coordination and training systems support for the Army, Marine Corps and Air Force, and perform such other functions and tasks as directed by higher authority.

The participant in this research opportunity will have experience with executing human performance research in specific environments, including military settings, involving tactical decision making under stress and immersive virtual environments. They will support large-scale research



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studies using quantitative and qualitative techniques, and conduct effectiveness evaluations of technology-based training support systems. This learning opportunity will provide the researcher with a chance to extend their education and work experience into the emerging field of machine learning, and its application to the guidance of trainers in the development and execution of cognitive scenarios. Researchers will have an opportunity to work in the live, virtual, constructive field, developing innovative guidelines for users to determine the fidelity necessary to conduct decision making across LVC.

Team Overmatch provides an unparalleled opportunity to engage in both field research and direct transition. Researchers will be working on designing capabilities that support adaptation of basic scenarios through tailoring to provide a library for training packages. Participants will also have the opportunity to develop research methodologies and collect data to support the evaluation of training systems. Analysis results will be used not only for publication, but also to directly feed back into the design of the training system.

Appointment Length

This appointment is a six 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.

Participant Benefits

Participants will receive a stipend to be determined by **MRCD=HQ**. Stipends are typically based on the 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

Nature of Appointment

The participant will not enter into an employee/employer relationship with ORISE, ORAU, DOD, or any other office or agency. Instead, the participant will be affiliated with ORISE for the administration of the appointment through the ORISE appointment letter and Terms of Appointment.

Qualifications The desired candidate will hold (or be working on) a Master's in a cognitive psychology or engineering discipline, with some experience in the design, execution, analysis, and interpretation of applied cognitive research.

- Eligibility**
- Requirements**
- **Citizenship:** U.S. Citizen Only
 - **Degree:** Master's Degree or Doctoral Degree received within the last 60

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month(s).

- **Discipline(s):**
 - **Chemistry and Materials Sciences** ([12](#) )
 - **Communications and Graphics Design** ([2](#) )
 - **Computer, Information, and Data Sciences** ([16](#) )
 - **Earth and Geosciences** ([21](#) )
 - **Engineering** ([27](#) )
 - **Environmental and Marine Sciences** ([14](#) )
 - **Life Health and Medical Sciences** ([45](#) )
 - **Mathematics and Statistics** ([10](#) )
 - **Other Non-Science & Engineering** ([2](#) )
 - **Physics** ([16](#) )
 - **Science & Engineering-related** ([1](#) )
 - **Social and Behavioral Sciences** ([27](#) )