Opportunity Title: DEVCOM Data & Analysis Center (DAC) 2022 Summer Internship

Opportunity Reference Code: DEVCOM-DAC-2022-0001

Organization	U.S. Department of Defense (DOD)
Reference Code	DEVCOM-DAC-2022-0001
How to Apply	Click on *Apply* at the bottom of the opportunity to start your application.

Description

The U.S. Army Combat Capabilities Development Command (DEVCOM) Data & Analysis Center (DAC) is offering a summer internship at Aberdeen Proving Ground in Aberdeen, Maryland.

What will I be doing?

This opportunity will provide you the opportunity to experience and learn how the military works, specifically the types of problems solved using operations research methods. As the selected candidate, you will perform mathematical or engineering analyses to represent, estimate, assess and evaluate Army systems performance and vulnerability, analyze and improve reliability of Army systems, and analyze the impact to logistics, resources and costs.

Why should I apply?

Under the guidance of a mentor, you will gain hands-on experience to complement your education and support your academic and professional goals. Along the way, you will engage in activities and research, and analysis in modeling and methodology development that will involve using math, science, computer science, engineering, statistics, physics, and data analysis.

Where will I be located?

Aberdeen Proving Ground, Maryland

What is the appointment length?

The tentative date start for this appointment is May, 2022. This date is flexible and is dependent upon the selection of a candidate and start date deemed feasible between the candidate and the mentor. This appointment is a summer research appointment (10-12 weeks). Appointments may be extended depending on funding availability, project assignment, program rules, and availability of the participant.
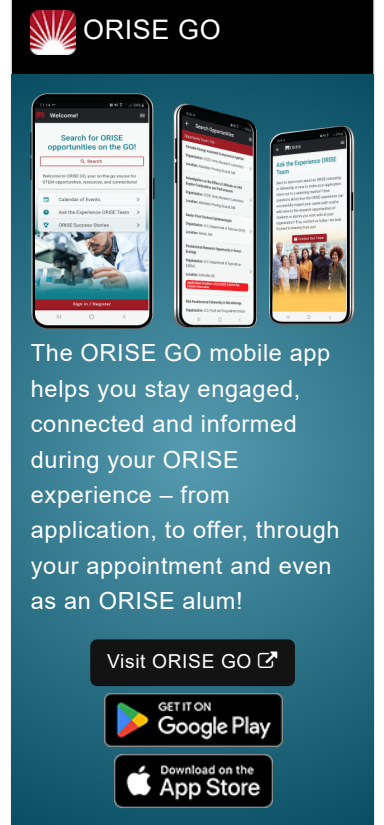
What are the benefits?

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

Other benefits <u>may</u> include the following:

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

About DEVCOM-DAC

The U.S. Army Combat Capabilities Development Command Data & Analysis Center (DEVCOM-DAC), headquartered at Aberdeen Proving Ground, Maryland, is the Army's largest in-house analytical capability. DEVCOM-DAC is one of eight science and technology domains within the

command, and has the mission to deliver objective analysis, experimentation and data across the entire life cycle to ensure readiness today and a more lethal future force tomorrow.

DEVCOM-DAC is an Army Futures Command organization that conducts a variety of critical analyses to provide state-of-the-art analytical solutions to senior level Army and Department of Defense officials. The Data & Analysis Center's responsive systems analysis supports the "Equipping" and "Sustaining" of weapons and materiel for our Soldiers in the field as well as our Future Army Force. 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 be working to complete a Bachelor's, Master's or Doctoral Degree in mathematics, engineering, statistics, physics, chemistry, computer science, or similar disciplines, with a GPA of 3.0 or higher. Degree must have been received within five years of the appointment start date. Microsoft applications, and experience with one or more computer programming languages (C#, VBA, C++, R, Python, etc.) and/or MATLAB is desired.

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.

The successful applicant(s) will be required to comply with Environmental, Safety and Health (ES&H) requirements of the hosting facility, including but not limited to, COVID-19 requirements (e.g. facial covering, physical distancing, testing, vaccination).

If you have questions, send an email to ARMY@orise.orau.gov.

Eligibility Requirements

- **Citizenship:** U.S. Citizen Only
- **Degree:** Associate's Degree, Bachelor's Degree, Master's Degree, or Doctoral Degree received within the last 60 months or currently pursuing.
- **Overall GPA:** 3.00

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- **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 ◉)