Opportunity Title: Software Engineering Internship - NAMRU-Dayton
Opportunity Reference Code: NAMRU-Dayton-2020-0003

Organization	U.S. Department of Defense (DOD)
Reference Code	NAMRU-Dayton-2020-0003
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 -Click here for detailed information about acceptable transcripts
- References

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 navy@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.

Description Naval Medical Research Unit Dayton conducts research on environmental health effects and aerospace medicine, addressing health and performance challenges faced by service members in operational military environments.

The undergraduate software engineering student will participate in human performance research, to include pilot spatial disorientation, vestibular and balance function, cognitive effects of varying breathing gases, motion sickness countermeasures, spine health, vision science, virtual reality in motion environments, research data collection, modeling and simulation, and research system troubleshooting. This will enable an undergraduate software engineering student to gain significant insight into research lab operations, applied software based tasks for warfighter performance, clinical research applications for modeling and simulation. Additionally, the participant will learn about multidisciplinary, multi-university programs for vestibular/balance research, understand operational needs of the joint fleet, while supporting research in areas that are pertinent to the United States Navy.
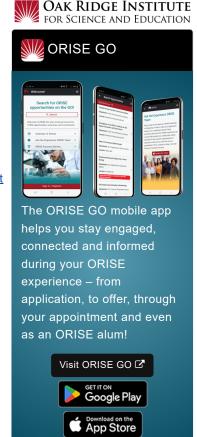
Appointment Length

This ORISE appointment is for a 4-12 month period. Appointments may be extended depending on funding availability, project assignment, program rules, and availability of the participant.

Desired start date: 1/6/20

Participant Benefits

Participants will receive a stipend to be determined by NAMRU-D. Stipends are typically based on the participant's academic standing, discipline, experience, and research facility location. Other benefits may include the following:

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- 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

Undergraduate student in ABET-Accredited Mechanical Engineering Program (preferably third or fourth year). GPA 3.0+

Favorable skills:
-C++/C# interest
-Gaming or Modeling and Simulation interest
-IT/Networking interest for setting up and optimizing Local Area Networks
-Familiarity with Linux, MATLAB, CIGI, UDP, Unity/Godot Gaming Engines and Laminar X-Plane (or other flight simulation software applications)

Eligibility Requirements

- **Citizenship:** U.S. Citizen Only
- **Degree:** Currently pursuing a High School Diploma/GED, Associate's Degree, or Bachelor's Degree to be received by 6/30/2022 12:00:00 AM.
- **Overall GPA:** 3.00
- **Discipline(s):**
  - **Computer, Information, and Data Sciences** (16 👁)
  - **Engineering** (27 👁)
  - **Mathematics and Statistics** (10 👁)
  - **Physics** (16 👁)
- **Age:** Must be 18 years of age