

Opportunity Title: 2021 Repperger Summer Research Internship Program

Opportunity Reference Code: AFRL-711HPW-2021-Repperger

Organization U.S. Department of Defense (DOD)

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How to Apply Applications must be completed by February 15, 2021, at 8:00 a.m. EST.

A completed application consists of:

- All required fields in both the profile and application form. Within the application, you may select up to five research opportunities for consideration. The opportunity locations vary between Dayton, OH, San Antonio, TX and Pittsburgh, PA. Please review the "ACADEMIC LEVEL/DISCIPLINE NEEDED" on each research opportunity as locations and desired educational background vary.
- Transcripts - Unofficial transcripts may be submitted. Transcripts must include name of the academic institution, name of the student, completed coursework and grades through Summer 2020 and courses in progress/completed during Fall 2020.
- A current resume/Curriculum Vitae
- Two academic recommendations completed by either faculty adviser or school faculty received by February 19, 2021, 8:00 a.m. EST (Due to unprecedented weather events throughout parts of the country, the recommendation submission deadline has been extended to **Friday, February 26th, 2021, at 1:00 pm EST.**)

Important Information:

- Incomplete applications will not be considered.
- 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.
- All documents must be in English or include an official English translation.

If you have questions, send an email to AFRL-Summer@orise.orau.gov.

Application Deadline 2/15/2021 8:00:00 AM Eastern Time Zone

Description The U.S. Air Force Research Laboratory (AFRL) leads the discovery, development and integration of affordable warfighting technologies for America's air, space and cyberspace forces. AFRL is a full-spectrum laboratory, responsible for planning and executing the Air Force's science and technology program. AFRL leads a worldwide government, industry and academic partnership in the discovery, development and delivery of a wide range of revolutionary technologies. The laboratory provides leading edge warfighting capabilities keeping our air, space and cyberspace forces the world's best.

The 711th Human Performance Wing advances human performance in air, space and cyberspace through research, education and consultation, accomplished through the synergies created by the wing's two distinct but complementary entities: Airman Systems Directorate and U.S. Air Force School of Aerospace Medicine. For more information about the Air Force Research Laboratory, visit [Air Force Research Lab](#).

Repperger Research Intern Program

The Repperger Research Intern Program is a 10-week educational experience, providing research opportunities for students at one of three Air Force research facilities under the mentorship of an Air Force scientist. This program posthumously honors Dr. Daniel W. Repperger, who mentored



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many young people during his 35 year research career with the Air Force Research Laboratory. Scientists have been hand selected to mentor, because of their technical knowledge, experience and willingness to help science and engineering students enhance their learning through participation in an actual Air Force research project. The available research opportunities span nearly all STEM fields, from Biology, Mathematics, Computer Science, Cognitive Science, Kinesiology, Physics and many more areas of study. Along with gaining first-hand research experience, students will learn the inner workings of an operational laboratory and develop contacts and friendships that will last a lifetime.

For detailed program information, please visit <https://orise.orau.gov/afrl/repperger-research.html>.

Key Information

Program Dates: June 7 – August 13, 2021

Research Locations: Wright-Patterson AFB, Dayton, OH or JBSA, Fort Sam Houston, San Antonio, TX or Carnegie Mellon University, Pittsburgh, PA

Stipend: ~\$12,000 for 10-week period

Number of Selections: From the 25 posted opportunities, approximately 15 students will be selected for research participation.

Nature of Appointment: 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. While participants will not enter into an employment relationship with DOD or any other agency, this opportunity will require a suitability investigation/background investigation. Any offer made is considered tentative pending favorable outcome of the investigation.

Qualifications Applicants need to meet the following eligibility criteria at the time of application:

- Be a U.S. citizen. *Evidence of U.S. citizenship must be submitted to ORISE at the time appointment is accepted.*
- Be enrolled as an undergraduate or graduate student at an accredited institution of higher education during the 2020-2021 academic year. *Applicants must provide proof of enrollment during the Fall 2020 term at the time of application. Candidates selected for an internship appointment will be required to provide proof of enrollment during Spring 2021.*
- Be pursuing a degree in a science, technology, engineering or mathematics (STEM) discipline.
- Have a cumulative GPA of 2.50 or higher on a 4.00 scale as of Fall 2020.

If you have questions, send an email to AFRL-Summer@orise.orau.gov.

- Eligibility Requirements**
- **Citizenship:** U.S. Citizen Only
 - **Degree:** Currently pursuing an Associate's Degree, Bachelor's Degree, Master's Degree, or Doctoral Degree.
 - **Overall GPA:** 2.50
 - **Discipline(s):**
 - **Chemistry and Materials Sciences** ([12](#))
 - **Communications and Graphics Design** ([2](#))
 - **Computer, Information, and Data Sciences** ([17](#))
 - **Earth and Geosciences** ([21](#))
 - **Engineering** ([27](#))

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- **Environmental and Marine Sciences** ([14](#))
- **Life Health and Medical Sciences** ([46](#))
- **Mathematics and Statistics** ([10](#))
- **Other Non-Science & Engineering** ([2](#))
- **Physics** ([16](#))
- **Science & Engineering-related** ([1](#))
- **Social and Behavioral Sciences** ([28](#))