NIST Summer Internship Research Undergraduate 2025

Description

The NIST (National Institute of Standards and Technology) Summer Internship Research Undergraduate Program offers undergraduate students a unique opportunity to gain hands-on research experience in a scientific and engineering environment. This program is designed to support students' career development by providing mentorship from leading scientists and engineers, exposure to cutting-edge research, and training in various scientific methodologies and standards.

Responsibilities

- Work on assigned research projects under the guidance of NIST scientists and engineers, contributing to advancements in measurement science, standards, or technology.
- Participate in laboratory work, data collection, analysis, and interpretation, depending on the specific project area.
- Collaborate with research teams to brainstorm and problem-solve, providing input and assistance where needed.
- Attend seminars, workshops, and presentations to expand understanding of NIST's research areas and industry applications.
- Document experimental procedures, maintain lab notebooks, and prepare summary reports on findings.
- Present research results at the end of the internship in a formal presentation to NIST colleagues.

Qualifications

- Current enrollment in an undergraduate program in physics, engineering, computer science, chemistry, materials science, or a related STEM field.
- Completion of at least two years of undergraduate study by the time of the internship start date.
- Strong academic performance with a minimum GPA of 3.0 on a 4.0 scale.

Experience

- Previous lab experience, either through coursework or prior internships, is preferred but not required.
- Exposure to research projects, independent studies, or relevant coursework in science or engineering is a plus.

Skills

- Basic understanding of scientific principles and research methods relevant to your field of study.
- Proficiency with common computer software such as Microsoft Office, and familiarity with data analysis tools (e.g., MATLAB, Python) is beneficial.
- Strong attention to detail, accuracy, and organizational skills.
- Effective written and verbal communication skills, with the ability to clearly

Hiring organization
NIST

Employment Type
Intern

Duration of employment
6 Months

Job Location
Gaithersburg, Maryland, United States, 20878, Gaithersburg, Maryland, United States

Working Hours
8

Base Salary
10

Date posted
November 3, 2024

Valid through
06.11.2026

explain technical concepts.
- Team-oriented mindset with a willingness to collaborate and learn in a multidisciplinary setting.

Job Benefits

- Hands-on experience with NIST's renowned research facilities and access to cutting-edge scientific resources.
- Mentorship from highly skilled scientists and engineers across diverse fields.
- Opportunity to build a professional network and enhance career prospects in STEM fields.
- Stipend provided to cover living expenses during the program.
- Potential for future career opportunities or graduate school recommendations based on performance.

How To Apply
Interested candidates should prepare the following application materials:

- A current resume detailing relevant academic achievements and experiences.
- A statement of purpose outlining research interests, career goals, and how the NIST internship aligns with these goals.
- An official or unofficial transcript from the undergraduate institution.
- Contact information for two references who can speak to your academic or research capabilities.

[Job Vacancies Portal Here](#):