

## PREP Research Associate

This position is part of the National Institute of Standards (NIST) Professional Research Experience (PREP) program. NIST recognizes that its research staff may wish to collaborate with researchers at academic institutions on specific projects of mutual interest, thus requires that such institutions must be the recipient of a PREP award. The PREP program requires staff from a wide range of backgrounds to work on scientific research in many areas. Employees in this position will perform technical work that underpins the scientific research of the collaboration.

### Research Title:

Engineering 3D Modeling Intern

### The work will entail:

Providing 3D modeling support for the Reactor Operations and Engineering (ROE) team.

### Key responsibilities will include but are not limited to:

- Assist the ROE team with the development and modification of moderately complex 3D part/assembly models based on input from a multi-discipline team of engineers and technicians.
- Collaborate with engineers, technicians, and quality assurance personnel to accomplish team objectives, resolve issues, and maintain configuration management.
- Organize and facilitate the review and approval of models.
- Support the development of the ROE team's drafting manual.

### Qualifications

- A current undergraduate student in Engineering, or a related field.
- 1 year of relevant experience or course work.
- Ability to use 3D modeling software (i.e. SolidWorks).
- Ability to develop 3D part/assembly models.
- Strong oral and written communication skills.
- Detail oriented.

### Privacy Act Statement

**Authority:** 15 U.S.C. § 278g-1(e)(1) and (e)(3) and 15 U.S.C. § 272(b) and (c)

**Purpose:** The National Institute for Standards and Technology (NIST) hosts the [Professional Research Experience Program \(PREP\)](#) which is designed to provide valuable laboratory experience and financial assistance to undergraduates, post-bachelor's degree holders, graduate students, master's degree holders, postdocs, and faculty.

PREP is a 5-year cooperative agreement between NIST laboratories and participating PREP Universities to establish a collaborative research relationship between NIST and U.S. institutions of higher education in the following disciplines including (but may not be limited to) biochemistry, biological sciences, chemistry, computer science, engineering, electronics, materials science, mathematics, nanoscale science, neutron science, physical science, physics, and statistics. This collection of information is needed to facilitate administrative functions of the PREP Program.

**Routine Uses:** NIST will use the information collected to perform the requisite reviews of the applications to determine eligibility, and to meet programmatic requirements. Disclosure of this information is also subject to all the published routine uses as identified in the Privacy Act System of Records Notices: NIST-1: NIST Associates.

**Disclosure:** Furnishing this information is voluntary. When you submit the form, you are indicating your voluntary consent for NIST to use of the information you submit for the purpose stated.