**High School Mentor/Mentee Scope of Work**

Mentor Name: Valerie Bookwalter

Office Location: 58\_2/2208 Test Lab

Mentee name: John Yu

Mentee Jlab email: johnyu@jlab.org

Description of scope of work for mentee:

The Thomas Jefferson National Accelerator Facility (Jefferson Lab) is seeking a student intern for a position in the Superconducting Radio Frequency (SRF) Department, Software Systems Group (SSG). The Department is responsible for the design, development, and testing of superconducting accelerator hardware for accelerators around the world.  The SSG provides QA and Software support for the SRF department. The software supported is an information system which is a critical element in the Project's Quality Assurance program and is the prime data collection and retrieval product utilizing web/database construction. The support efforts also require maintaining existing code as well as developing new web-based applications that expand the functionalities of the local data management system, Pansophy.  Software used in support of Pansophy includes HTML, ColdFusion, Java, JavaScript, and PERL languages; Oracle and PL/SQL; MS Excel, MS Word and macro generation utilizing Visual Basic.

The intern will work directly with the software team members to update the Inventory Database System (PRIMeS) utilizing ColdFusion, DataTables, Oracle database, and other software systems. Additionally, the intern will help with the research and coding for barcode scanners to enable SRFOPS production traceability as part of the Quality Management System.

Location(s) of mentee’s workplace: Test Lab 58\_2/2131

Does the mentee need to have accelerator site access? No

Instruments/equipment used by mentee: Computer/Laptop, Barcode Scanner/Printer

Hazards: Test Lab RAD and ODH postings

Specific training for mentee that needs to be added to JTA:

GERT, ODH

Qualified Designated Alternate to support mentee in Mentor’s absence:

Mike Dickey

Other personnel who may work with the mentee:

Megan McDonald, Matt Menia

\_\_\_\_\_ Valerie Bookwalter \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Mentor Name (printed)

\_\_\_\_\_\_\_\_Valerie Bookwalter\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_8/23/2024\_\_\_\_\_\_\_\_\_

Mentor Signature Date