

AIAD #10948

ORGANIZATION/PROJECT SPONSOR

Organization: ARL/SLAD

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Location of Sponsoring Directorate or Division (City, State) Aberdeen Proving Ground, MD

PROJECT

Title: Virtual Shot Lines

Description: Virtual Shot Lines is an interactive, visual application for planning of live-fire test experiments, engineering analysis, and visualization of large, complex geometries such as complete vehicle CAD models. Assignments dependent on candidate skills.

ARL/Army Benefit: Students will be exposed to state-of-the-art technologies in visualization, high-performance computing, and rapid analysis techniques as they are applied to the evaluation of Army materiel.

Background Required: Computer science background with experience in C++, one of SVN or GIT revision control systems and one or more of the following: Qt, OpenSceneGraph, Scenix, OptiX, CUDA, OpenCL. Cadet will be engaged in software engineering, software quality assurance, or related topics.

Security clearance required: None

Capacity: 1

Duration: 4 – 8 weeks

Block Preference: