NASA-KSC/EX-E High Education
Internship Project & Abstract Form
Please provide this information requested to: *rose.m.austin@nasa.gov*
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Full name (First MI Last):	Pedro H Ferreira
Academic Institution:	Clemson University
City, State, Zip Code:	Anderson, SC, 29621
Funding Source:	KSC FO
Name of Branch or Division:	NE-C2
Desk Location (Bldg Name, Cube #):	OSB II, Cube 278
Degree of Study: (i.e. MBA, BS in Electrical Engineering, etc) Major & Minors	Computer Engineering with a minor in Accounting and Financial Management
Expected Graduation (Month/ Year):	12/2016
Project Title:	Activate/Inhibit KGCS Gateway via Master Console EIC Pad-B Display

Project / Abstract Summary: (Approximately 300 words)
One complete paragraph in itself (not an introduction). It should indicate subjects while also stating objectives of the project. Newly observed facts and conclusions of project discussed must be stated in summary form. Readers should be able to understand your project and what you completed in your abstract.

The purpose of the first project was to implement the Application Control Language (ACL) to Activate Data Acquisition (ADA)/ Inhibit Data Acquisition (IDA) the KGCS Gateway, to update existing Pad-B IEC Display to program ADA/IDA buttons with new ACL, and to test and release the ACL/Display.

The second project consisted of unit testing all of the Application Services Framework (ASF) by March 21st. The XmlFileReader was unit tested and reached 100% coverage. The XmlFileReader class is used to grab information from XML files and use them to initialize elements in the framework other elements by using the Xerces C++ XML Parser an open source commercial of the shelf software. This falls under the InfoHandler directory. The ScriptThread was also tested . ScriptThread manages the creation and activation of script threads. It is under the Ape directory. A large amount of the time was used in initializing the environment and learning how to set up unit tests and getting familiar with the specific segments of the project that was assigned to us.

If you are writing a paper for school or specific internship program, provide the following:

Paper Title:	**Rick's Internship at NASA**
Mentor Name:	**David Slaiman**
Mailcode:	NE-C2

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