Systems Teaching Institute Internship Description - Open WARP Web Developer

The University Affiliated Research Center (UARC) located at NASA Ames Research Center in Mountain View, CA, is a partnership between the University of California and NASA Ames. The Systems Teaching Institute (STI) is the UARC's educational partnership, placing students for internships at NASA’s Ames Research Center.

Overview

Do you like to write code? Are you interested in space exploration? Join our team, and be part of a pioneering effort to bring spacecraft mission operations to the web, extending the mission control paradigm beyond traditional institutions and walls.

WARP (Web Applications for Resource Prospector) is a web tool suite, built by NASA’s Ames Research Center, in collaboration with the Jet Propulsion Laboratory. This platform also supports VISTA, a multi-mission toolset for the Jet Propulsion Laboratory’s interplanetary missions. It will enable spacecraft monitoring, plan execution and mission operations from a range of devices.

WARP/VISTA uses modern HTML, JavaScript and CSS techniques. You’ll be responsible for working with other developers and the design lead to design and implement effective, elegant solutions for our web-based mission operations software.

Required Skills and Experience - To be eligible, students must be enrolled in a degree-granting program at an accredited university.

- Solid experience and knowledge of modern HTML5, CSS and JavaScript.
- Familiarity with object-oriented design and development.
- Basic understanding of web server administration (e.g. Apache or similar.)
- Conduct research on compliance, intellectual property, federal regulations, or other issues, and compile/summarize/present results.

Desired Skills and Experience

- Knowledge of git or experience with other SCM tools.
- Experience with AngularJS or other dependency injection frameworks.
- Familiarity with agile development processes.
- Experience writing automated tests and using automated test frameworks.
- Knowledge of C#; experience using .NET and/or Mono.

TO APPLY, PLEASE email cover letter and resume/CV, in PDF FORMAT to:

- Jennifer Victoria, Manager, Systems Teaching Institute
- jennifer.victoria@uarc.ucsc.edu

- Subject of email must read: STI Internship, Position 09JTTI
- Body of email MUST INDICATE:
  - Current University
  - Current Program
  - Expected Graduation Date (Year)
  - Citizenship
  - If applicable, type of Visa and Visa expiration date.