

Systems Teaching Institute Internship Description

Air Traffic Management

We are looking for a candidate to help with air traffic management related research in the area of 4D Trajectory Prediction. Working with a small team, the tasks involve the development and validation of concepts and analysis tools for aircraft trajectory modeling, data analysis of trajectories from flight tests and lab simulation, and visualization tools of aircraft performance models. Candidates with an aeronautical background are preferred, although anyone with a strong background in physics, math, or general engineering will be considered. Candidates must be comfortable with software development tools in a Linux/Mac environment.

Skills Required:

- C++, Java, shell scripts, and Linux

Eligibility:

To be eligible, students must be enrolled full-time in a Master's or Doctoral program (Exceptional undergraduate students will be considered). Students must demonstrate their potential to contribute to Ames research via enrollment in a highly relevant degree program (Science, Technology, Engineering, or Mathematics) and/or articulation of:

- Acquired skills that might be of special interest
- Prior educational background that shows interdisciplinary knowledge
- Specialized career goals directly related to NASA's mission
- Must be legally able to work in the US (citizen, perm resident, Visa holder, etc.)

TO BE CONSIDERED, PLEASE:

- **Email cover letter and resume as SEPARATE ATTACHMENTS in PDF FORMAT to:**
 - Jennifer Victoria, UARC
 - jennifer.victoria@uarc.ucsc.edu
 - Deadline: Friday, May 17, 2013
- **Subject of email must read: STI Internship, Position 101BMATM**
- **Body of email MUST INDICATE:**
 - Current University
 - Current Program
 - Expected Graduation Date (Year)
 - Citizenship
 - If applicable, type of Visa and Visa expiration date.