



CONNECTICUT CORSAIR

Connecticut Space Grant Consortium & Connecticut Corsair 2014 Internship F4U Corsair Flight Control Engineering Project

Connecticut Corsair is restoring to flight condition Connecticut's Official State Aircraft using emerging and advanced technology. This project involves the reverse-engineering and modeling of the Corsair's aileron using Laser and White Light scanning and other precision measuring methods, and also original drawings. The student will model and assemble the components using SolidWorks. Once the aileron is completely modeled, the student will design an assembly fixture, and manufacture the fixture prototype using rapid prototyping 3D printing such as FDM by Stratasys. Due to the nature of this position, the student will have as an option the opportunity to work "online" from their school location, and not have to travel daily to our facility. Meetings on a regular basis will take place at locations convenient to all collaborating parties, negating the need for a daily commute. This project is managed through CT iHub, a project management website, allowing for easy collaboration and sharing of data with all parties, (www.ctihub.com).

For more information on the internship, please see the **Connecticut Space Grant Consortium Fall 2012 Newsletter** to read the article describing our goals, expectations and the benefits available to interns by working with Connecticut Corsair. Interns are expected to adhere to common business ethics, including the protection of Intellectual Property, (IP), by signing an industry standard Non-Disclosure Agreement, (NDA).

This project is sponsored by Connecticut Corsair and other Connecticut-based aerospace and advanced-technology companies, affording local networking opportunities for the student, and will also involve collaboration with other universities such as Trinity College, UConn and Universidade Federal de Minas Gerais in Brazil.

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