Albany Engineered Composites (AEC) designs and manufactures high-tech composite components for the aerospace industry. Our Analytical Design & Simulation (AD&S) Team within AEC's Research & Technology organization is responsible for developing software to meet AEC's engineering, component design, and manufacturing needs. This includes the software used to design various aircraft components, the software developed to assess and analyze part strength and functionality, and the software that controls the equipment that manufactures these parts.

The individual hired for the Software Development Engineer position will work closely with our design and manufacturing engineers to design, develop, test, and implement various aspects of this software. These include Graphical User Interfaces (GUIs), 3D graphics and solid modeling capabilities, and application-specific algorithm development.

Fun facts about Albany Engineered Composites:
- The main landing gear braces manufactured by AEC for Boeing’s 787 Dreamliner are the only composite landing gear parts of their kind and weigh significantly less than their metal counterparts.
- AEC is the exclusive supplier of composite parts for the CFM LEAP jet engines that will power the next generation of Boeing and Airbus aircraft that will provide significant fuel efficiency improvements over the current generation. LEAP is currently the largest commercial aircraft jet engine replacement program in aviation history.
- The carbon fiber composite parts in the CFM LEAP engine reduce the weight of each plane by 1,000 pounds while providing superior performance compared to the metal parts they are replacing. It takes over 200 miles of carbon fiber to weave the fan blades of one CFM LEAP jet engine.

Key Duties/Responsibilities:
- Design, develop, and document engineering application software as part of a project team.
- Work with design and manufacturing engineers to determine software requirements.
- Execute verification testing prior to deployment of new software.
- Provide project updates and communications as needed by internal and external customers.

Required Skills:
- Working knowledge of developing software using an object-oriented programming language (preferably C++)
- Working knowledge of compiling and debugging software using an integrated development environment such as Microsoft Visual Studio is a strong plus.
-Knowledge in the following areas of software development is considered a strong plus: GUI based application development, 3D Graphics, 3D Geometric modeling

-Working knowledge of Linux and/or Mac OS X operating systems is considered a plus.

-Familiarity with Computer Aided Design (CAD) software such as Solidworks is considered a plus.

-Microsoft Office proficient: Excellent written and oral communication.

-Proven problem solving skills in teamwork setting.

-Willingness to perform "hands-on" work in dynamic work setting.

-Action oriented and results driven.

-Customer focus.

-Attention to detail.

**Required Experience:**

-BS in Computer Science or Mechanical, Aerospace, Electrical, or Civil Engineering; equivalent experience may be considered.

-Relevant experience or MS Degree is considered a strong plus.