** Convergent Manufacturing Technologies US Inc.**

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**Intern Wanted – Finite Element Modeling**

Convergent Manufacturing Technologies US (www.convergent-mfg.com) is a world-leader in manufacturing simulation of composite structures with an international customer base. Convergent develops finite element based engineering simulation software and provides engineering support services to leading aerospace companies world-wide. The headquarters is located in Vancouver, Canada but we opened a US sister company in 2015 located in Seattle and we are looking for an summer intern to join the US team.

**Position Overview:**

This position will be reporting directly to the Lead Applications Engineer of **Convergent Manufacturing Technologies US**. The successful candidate is a dynamic, self-motivated individual who can perform tasks relating to finite element analysis such as developing FE models, running analyses, and clearly communicating results for various composites processing-related projects. Experience with aerospace and/or with composite materials is an asset.

**Key Responsibilities include but not limited to the following:**

* Perform engineering duties under supervision of a lead
* Set up, run, and interpret results of a Finite Element Model
* Perform data reduction and analysis using Excel
* Write project reports and prepare presentations to communicate project status and results
* Take responsibility for engineering tasks, and perform associated analysis
* Liaise with other members of the project team, in the US and in Canada

**Required Skills and Experience:**

* Experience with CAD software such as CATIA and Solidworks
* Familiarity with composite materials and processes
* Strong technical communication skills, both written and verbal
* Strong analytical and problem-solving skills
* Ability to work from first principles
* Competency in MS Word, PowerPoint, and Excel

**Preferred Experience:**

* Understanding of the fundamentals of composite processing
* Experience with modeling of composite structures
* Understanding of the fundamentals of Finite Element Analysis
* Finite element software such as ABAQUS, ANSYS, NASTRAN, MARC etc.
* Comfortable working in Windows and Linux environments

**Educational Qualifications:**

* Undergraduate studying Engineering (Mechanical or Materials is preferred)

**Other Skills:**

* Organizational/Multi-Task Skills – An independent self-starter; able to allocate one's time effectively; detail oriented; efficient and organized; works well under pressure
* Relationship Skills – A team player with an outgoing personality

***Convergent offers a competitive hourly rate***.

Please note that some of the work may be subject to ITAR regulations. Prior to receiving an offer of internship, you must consent to, and pass, a security assessment which includes a criminal background check. Applicant must be a US person.

If you are interested and qualified in this position, please submit your cover letter and resume to careers@convergent-mfg.com **Please** **quote job number 20180415 in the subject of your email.** While all submissions will be assessed only suitable candidates will be contacted.