

Job Title: Software Engineer – Pattern Recognition Development

Date: 12/31/2008

Description: Provide support for software applications used by scientists and applications engineers. Use existing software applications to add materials to the database library. Design and develop mathematical analysis routines and algorithms to improve the Material Recognition System Engine (MRSE). Write internal documents including material database logs and technical documentation.

Duties & Responsibilities:

- Develop and Maintain material database library
- Enhance, Modify, and Improve existing software applications
- Support software applications

Qualifications:

- At least 1 year of development experience
- Programming Languages: C, C++, SQL
- Operating Systems: Windows (NT, 2000, XP)
- Desktop Applications: Visual Studio, MS Word, Excel, MS Project, Outlook
- Good background in Mathematical and Statistical concepts.
- Experience designing or developing classification and / or detection algorithms.
- Experience developing software applications for Windows XP Systems.
- Experience implementing Mathematical and Data Processing Algorithms in software.
- Experience creating and maintaining computer database systems and tables a plus.
- Must have an understanding of HTML and XML.
- Must be able to work in a fast paced dynamic work environment.
- Must be a self starter, flexible and work with minimal supervision
- Must have superior organizational skills and the ability to multi-task.
- Knowledge of Digital Signal Processing (DSP) concepts a plus.
- Knowledge of MatLab™ Neural Network and Communications toolboxes a plus.

Education:

- BS/MA in CS, CE, EE, or equivalent work experience.