

NORTH STAR IMAGING, INC.



## SENIOR SOFTWARE ENGINEER

North Star Imaging, a division of ITW Test and Measurement group, is a leader in high tech market of Industrial X-Ray and CT Manufacturing. This NDT (non-destructive testing) company is located in the NW suburbs of Minneapolis. Because of our growth we are seeking a talented Senior Software Developer to join our product development team. As a key member of our development team you will develop cutting edge software for state of the art industrial x-ray, computed tomography and radiography systems. This involves creating custom system upgrades, new features, along with new products & technologies.

### Accountabilities:

- Develop and support image acquisition and analysis software for use in computed tomography acquisition and digital radiography.
- Develop and support machine automation software including machine vision (ADR, pattern matching) and robotic interfaces.
- Support ongoing development and maintenance of x-ray imaging system software.
- Investigate new technologies to improve software performance
- Develop advanced algorithms to improve software performance.

### Requirements:

- Bachelor's degree in computer science, engineering or related field; advanced degree preferred
- 5+ years of software development experience
- Proficient in C++ and C# programming languages
- Experience in one of the following areas:
  - Image acquisition/processing
  - Defect recognition/pattern matching
  - Computer graphics related to 3D visualization & interaction
  - X-ray imaging
  - Computed Tomography
  - GPU computing (CUDA/Open CL)
- Experience with Microsoft Visual Studio
- Experience with .NET

If you are at the top of your game and enjoy working in a small group environment **send your resume** to: [greatjobs@4nsi.com](mailto:greatjobs@4nsi.com) or fax 763-210-6850

North Star Imaging is a wholly owned subsidiary of Illinois Tool Works Inc., a diversified manufacturer of advanced industrial technology. Founded in 1986 as a Non Destructive Testing (NDT) equipment representative, the firm evolved to become one of the NDT industries leading providers of Computed Tomography (CT) and Digital Radiography (DR) systems. North Star Imaging offers complete x-ray solutions designed and built at our corporate facility in Rogers, MN. NSI is an Equal Opportunity employer, offering a competitive salary and a rich benefits package which includes medical dental, life and disability insurance, education assistance, PTO, holidays, 401(k), as well as opportunities for professional development. **To apply**, please submit resume and cover letter to [greatjobs@4nsi.com](mailto:greatjobs@4nsi.com)

### **Visit our websites for more information:**

3D Computed Tomography: [www.xviewct.com](http://www.xviewct.com) Inspection Services Group: [www.xrayinspectionsservice.com](http://www.xrayinspectionsservice.com)  
No phone calls please