



POSITIONS AVAILABLE

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Please send resumes to:
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Job Title: Algorithm Engineer 1

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Summary: DRVision LLC seeks a member to join a high-performance team developing next generation inspection system of industrial X-ray images. This is a regular staff position for full-time employment after probation.

DRVision provides products and services in industrial inspection/measurement applications and microscopy image analysis. Since 1999, DRVision (formerly SVision LLC) has been providing contract research and development services for its clients on industrial inspection, measurement and alignment. In 2006, DRVision's image based decision and machine learning technologies are employed in its microscopy image analysis software product, SVCeIl™, which can be used for broad microscopy applications in basic research, drug discovery and disease diagnosis.

RESPONSIBILITIES

- You will be a key part of the algorithm development team characterizing the custom X-ray inspection system's optics and images in both 2D & 3D, while being in charge of collecting and analyzing requirements from our international customers. You will also develop image-processing, pattern analysis and machine learning algorithms: Modeling, characterization of X-ray inspection system optics
- Reconstruct and characterize 2D/3D raw data from X-ray inspection system
- Formulate, develop & implement
 - 2D/3D image processing functions
 - 2D/3D pattern analysis functions
 - 2D/3D pattern fitting
- Speed up & improve existing DRVision core technology algorithms
- Support US patent application and prosecutions

You are also expected to perform product support for international customers in Taiwan.

MINIMUM LEVEL OF EDUCATION

- Master of Science
- Field of study: electrical engineering, mechanical engineering

REQUIRED QUALIFICATIONS/SKILLS

- Strong command in 2D & 3D image processing and signal processing

- Working knowledge of C# and/or C++
- Good written and verbal communication skills in Chinese and English

PREFERRED QUALIFICATIONS/SKILLS

- Optics, especially for X-ray
- 2D/3D image reconstruction
- Can communicate in Taiwanese dialect
- Image processing
- Pattern recognition
- 3D volume rendering, visualization, and graphics
- Machine learning
- Ability to work well in team environment
- Scripting experience
- Ability to quickly learn new software features, tools
- Flexible work schedule