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Please send resumes to:
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Job Title: Application Engineer
Post Date: February 25, 2011
Summary: DRVision LLC seeks a member to join a high-performance team developing next generation microscopy image recognition software. This is a three month trial position with potential for permanent employment.

DRVision's image based decision and machine learning technologies form the basis for its microscopy image recognition and data analysis software product, SVCCell™, which can be used for broad microscopy applications in basic research, drug discovery and disease diagnosis. Launched in October 2006, SVCCell changes the way image recognition is done – its teachable interfaces and learning technologies enable users to develop and execute analyses of unsurpassed quality, without requiring a specialist with image processing or pattern recognition expertise. Simple to learn and operate, SVCCell provides everything needed to accurately and reliably detect, track, measure, discover, classify, monitor and score cellular and subcellular phenotypes and events in microscopy movies. SVCCell's development is partially funded by the National Institute of Health (NIH) under the Small Business Innovative Research (SBIR) program.

RESPONSIBILITIES

The SVCCell application engineer's primary role is to develop and manage SVCCell application recipes (modules), and also to quantitatively validate their performance. The application engineer provides recipe reports, application notes, end user training and support on an as needed basis, and participates in sales demonstrations and exhibitions. The application engineer provides bug reports and performs software fix confirmation for the quality assurance department.

The application engineer is responsible for all or part of the following areas:

- Definition of the application requirement
- Proposal of the recipe creation approach
- Implementation of the recipe with status checkpoints
- Performance validation and polishing of the recipe
- Drafting of recipe users manuals
- Coding of common routines to create new software functions
- De-bugging of image recognition algorithms
- Benchmarking SVCCell performance using 3rd party software
- Bug reporting and fix validation
- Creation of application related marketing material
- Customer training and support
- Customer demonstration and sales exhibition

MINIMUM LEVEL OF EDUCATION

- Senior year of study (undergraduate)
- Field of study: Bioengineering or related field

REQUIRED QUALIFICATIONS/SKILLS

- Significant undergraduate level engineering or bioengineering coursework
- Working knowledge of microscopy image analysis and quantification
- Basic scripting / programming expertise

PREFERRED QUALIFICATIONS/SKILLS

- Strong programming expertise for test / validation automation
- Experience with microscopes
- Excellent problem solver who can utilize SVCell to its full potential to meet challenging, real world application requirements
- Self-motivated with ability to work well in team environment
- Ability to quickly learn new skills