Job Description: **Image Analysis Scientist**

Canfield Imaging Systems, a division of Canfield Scientific, Inc., is the leading supplier of digital photographic equipment, imaging software, and computer systems for advanced patient imaging serving physicians and the healthcare industry. Canfield Scientific provides the highest quality products, clinical research support services, and total body photography services. We have established a reputation for innovation and service excellence. Canfield is located in northern New Jersey.

We are seeking an image analysis scientist/senior algorithm developer with a minimum of three years of experience in the field of image processing and pattern recognition for 2D/3D biomedical / biometric applications. This person will partner with Canfield's image analysis research team and contribute to the company's efforts in pioneering, developing, and optimizing for commercialization algorithms for detecting, analyzing and grading skin features and conditions using multi-spectral imaging technologies. The position requires a strong understanding of advanced medical image analysis techniques and a proven record of the ability to apply these methods in unique solutions to industry-wide problems.   A basic understanding of optics, lighting, and digital image acquisition is a plus. Also required is a working knowledge of all aspects of algorithm development from prototyping to commercial deployment.

The ideal candidate is an individual who performs productively in a fast-paced work environment, works well both within a focused team environment as well as independently, communicates well, and has a strong entrepreneurial attitude.

Core Requirements:

- Graduate degree (preferably Ph.D.) in science/engineering in a field related to signal/image processing.

- 3+ years of algorithm development and commercial product experience (at least 2 years in a corporate environment) in at least three of the following fields: multi-spectral imaging, image analysis, color analysis, statistical texture analysis, 2D linear filter design, pattern classification, or 3D image analysis.

- Knowledge of C/C++ is highly desirable.

- 3+ years experience with MatLab, preferably working with image processing, signal processing, statistics and data/image acquisition toolboxes, and interfacing with C++ code. Knowledge of other imaging packages (ImagePro Plus, PhotoShop, etc.) is a plus.

- Experience in developing medical image analysis algorithms for at least one of the following fields is highly desirable: biomedical imaging, biometrics, microscopy, spectroscopy, etc.

- Demonstrates a methodical approach and ability to thrive in an environment of innovation in advanced image analysis techniques and applications.

- Ability to appreciate the theoretical and practical implications of image processing and analysis.

- Ability to deliver results in short time frames and in accordance with deadlines.

- Ability to function effectively as part of a team, while also being able to work independently.

- Excellent analytical, organizational, and communication skills.

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