

# US–NJ–Imaging Physicist

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- *From:* "Kolya" <[president@xxxxxxxxxxxxxxxxxxxxxxxx](mailto:president@xxxxxxxxxxxxxxxxxxxxxxxx)>
  - *Date:* 22 Jun 2005 05:09:59 –0700
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Imaging Diagnostic company in Northern NJ seeking a:

Title: Imaging Physicist

Reports to: Director of Engineering

Direct Reports: None

Responsibilities

· Support and lead research and development tasks with a particular focus on analyzing and developing linear and non–linear algorithms for data and image processing in an ISO 13485 environment with strict adherence to quality system requirements.· Prototype software designs in MATLAB, support transition to real–time C–code.· Perform modeling and analysis of physical phenomena and engineering data to develop system concepts and support technology investigations.· Develop quantitative tools for assessment and improvement of image quality.· Prepare software and algorithm documentation as needed.· Perform algorithm design, development, documentation, verification and validation activities in compliance with all requirements set forth by the FDA's Quality System Regulation and the company's ISO 9001:2000/ISO 13485 certified quality system.· Assist in preparing oral and written reports.

Measures of Success

· Develop innovative image processing solutions and improvements.· Complete algorithm design, development, and verification activities on time.

Position Qualifications and Requirements

· Masters or PhD in Physics, Mathematics, or related quantitative discipline.· Minimum 3 years of relevant industry experience.· Hands–on experience in algorithm design, development, and implementation.· Hands–on knowledge of medical diagnostic image processing algorithms and statistical methods, including SVD, PCA, ICA.· Strong analytical and linear algebra skills.· Direct experience

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with tomographic and inverse problem image reconstruction processing a plus.· Direct experience with pattern classification techniques, splines, and image processing using wavelets a plus.· Ability to understand and articulate complex technical concepts and ideas.· Strong computer, interpersonal, communications and teamwork skills.· Solid programming skills in MATLAB.· Excellent verbal and written communication skills.· Industry experience should include operating under the guidelines set forth by the FDA Quality System Regulation and/or ISO 9001 or equivalent.· Competent with Microsoft Word, Excel, Project, and Access.· Ability to handle multiple projects.· Enthusiastic and forward–thinking attitude to get the job done.· Self–starter.

Position Summary: A hands–on team player who analyzes, develops, and tests image and data processing algorithms for use in innovative medical imaging products with emphasis on quality.

Send resume as a "Word" attachment to:

president@xxxxxxxxxxxxxxxxxxxxxx

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