Full-Time
Scientist Positions Available
Clinical Validation Scientist | Scientist Algorithm Development

Experience ViTAL.

Clinical Validation Scientist

We are looking for a clinical validation scientist to join our clinical development group. Your role will be to lead the clinical validation activities at Vital Images. As part of your responsibilities, you will manage ViTAL clinical research accounts and will assist our clinical research collaborators in their study design and statistical analysis.

- Must have 3+ years of clinical research in a medical field (medical imaging preferred).

- MS in Biostatistics/Mathematics/Computer Science/ Electrical Engineering. Ph.D. in Biostatistics preferred.

- Must be proficient with statistical analysis methods, including classification trees and cluster analysis, boosting, machine learning, data mining, neural networks, non-parametric techniques, power analysis, multi-variable analysis, survival analysis, and ROC methods.

- Must demonstrate scientific excellence by a strong publication record and/or evidence of scientific initiative.

Scientist Algorithm Development

We are looking for a scientist to join our image analysis team of scientists and algorithm developers. Your role will be to apply pattern recognition and machine learning techniques to a wide variety of interesting problems in medical imaging.

- Solid background in Mathematics, especially in probability, statistics, geometry, calculus, and linear algebra.

- Demonstrable knowledge and a 5+ years of experience in computer vision, pattern recognition and machine learning techniques.

- MS in CS or related field and 5+ years of experience in research in relevant topics. PhD in CS preferred.

- Strong C++ object oriented programming skills; strong understanding of data structures and complexity; strong debugging and optimization skills. Strong experience in Matlab programming (vectorized code, experience in image and stat toolboxes, etc.) is a plus.

- Strong algorithm development skills; working knowledge of a wide range of general algorithms.