Downloaded from <https://www.velvetjobs.com/job-descriptions/imaging-scientist>

# Example of Imaging Scientist Job Description

Our company is looking for an imaging scientist. Please review the list of responsibilities and qualifications. While this is our ideal list, we will consider candidates that do not necessarily have all of the qualifications, but have sufficient experience and talent.

## Responsibilities for imaging scientist

* He/she should be familiar with the concepts of feature extraction, end-member extraction, dimensionality reduction, and classification algorithms
* Experience with novel imaging modalities such as Hyperspectral, NIR, IR, Fluorescence, Optical/X-Ray CT
* Experience with machine vision cameras, interfaces for high-performance industrial cameras (Cameralink, GigE, USB 3) and camera SDKs
* Hands-on programming experience in IDL, MATLAB, ENVI and other data mining and clustering software is desired
* Proven track record in supporting system integration providing software development including GUI and automatic report generation is highly desirable
* Excellent communication (written and verbal), problem-solving, and multi-tasking skills in order to work effectively in a team-oriented environment
* Ability to travel to factory sites and/or vendors for developing systems and their implementation
* Perform tasks related to image data management and organization
* Perform literature reviews in support of new proposals involving imaging
* Support others with creating/editing study documentation, , Imaging Manuals, Imaging Review Charters

## Qualifications for imaging scientist

* Solid foundation in scientific computing/programming via python, Julia, octave, C/C++, R or related languages
* Bachelor's degree in engineering, computer science, applied mathematics/statistics, or other related degree concentration, or equivalent directly-related experience (two years of directly related industry experience is equivalent to one full-time year of college in related major)
* Adhere to corporate compliance in all activities, including governing laws, regulations, Standard Operating Procedures (SOPs) and other guidelines
* Familiarity with computational imaging, image processing
* Strong programming skills in languages such as MATLAB, Python, Java, C/C++
* High level of expertise in concepts and methods in color science, image processing