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April 12th, 2018

Arterys
51 Federal St #305, San Francisco, CA 94107
650-319-7230

To whom it may concern,

I am writing to apply for the machine learning scientist position that was listed through Arterys job posting. I am excited by the chance to gain experience in applying machine learning models to medical imaging. As a Master's degree candidate in Bioinformatics (expected to graduate in July, 2018) at the MD Anderson UT Health Graduate School, I am deeply interested in medical image analysis and visualization and believe my research experiences make me an ideal candidate for this job.

My research experience can be summarized as below:

- Performing medical image pre-processing including, registration, bias/artifacts correction, segmentation
- Applying machine learning and deep learning techniques to medical images to reveal new biomarkers
- Correlating medical image derived features with clinical end points

Through my research, I have gained expertise in medical image processing, data visualization, machine learning/statistical modeling, and programming in Python, MATLAB and R. I also have used Tensorflow, Keras, and scikit-learn packages for machine learning and deep learning models with DICOM or NifTi format medical image data. These experiences resulted in two papers at *OncoTarget* on my radiogenomics research work using MRI scans [OncoTarget '17].

In addition, as part of my coursework, I have taken classes in machine learning and deep learning at Rice University as a visiting student.

The enclosed resume provides more details of my skills and research projects I have done. If you need more information about me, please feel free to contact me at 856-412-0402 or email me at kdk411@gmail.com.

Yours sincerely,
Donnie Kim