

Dr. Web Stayman is seeking a post-doctoral fellow or research associate for work in the Advanced Imaging Algorithms and Instrumentation Laboratory (<https://aiai.jhu.edu>)

The responsibilities of this role include:

- 1) Working closely with Dr. Stayman on the development of new hardware technologies for x-ray-based imaging devices
- 2) Algorithm development, coding, and optimization for image formation in radiography and computed tomography
- 3) Design and conduct of physical x-ray experiments for the validation and evaluation of imaging performance
- 4) Leadership on specific development projects and mentoring of students

The ideal candidate will have experience in Python and Matlab programming, algorithm development and evaluation, x-ray physics, and hardware experimentation. Additional skills in software development, CUDA programming, hardware integration and debugging are also highly valued.

Interested parties may contact Web Stayman web.stayman@jhu.edu directly.