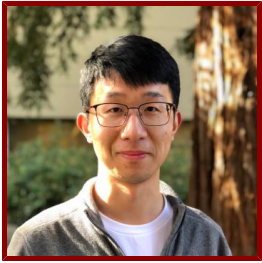


Stanford



Sen Wang

Physical Sci Res Scientist, Rad/Radiological Sciences Laboratory

SUPERVISORS

- Adam Wang

Bio

BIO

Dr. Wang is a research scientist in the Wang group. He previously completed his postdoctoral fellowship in the Wang group and his BS and PhD in the Department of Engineering Physics at Tsinghua University. Sen's research interests focus on technologies and methods for image processing, reconstruction, and recognition, especially in the medical field. His PhD work investigated reconstruction algorithms and applications of x-ray spectral imaging, including photon counting detector modeling and correction, as well as quantitative imaging and computer vision with deep learning on x-ray images and other medical images.

At Stanford, Dr. Wang works on advanced CT detector designs and imaging algorithms.

EDUCATION AND CERTIFICATIONS

- PhD, Tsinghua University (2019)
- Bachelor, Tsinghua University (2014)

Professional

WORK EXPERIENCE

- Postdoctoral Scholar - Stanford University (2/1/2020 - 6/26/2023)

Publications

PUBLICATIONS

- **Empirical optimization of energy bin weights for compressing measurements with realistic photon counting x-ray detectors.** *Medical physics*
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Wang, S., Gao, H., Zhang, L., Wu, D., Xu, X.
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- **More Accurate and Less Noisy Spectral Deconvolution Strategy using Photon Counting Detectors**
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- **Preliminary Study of Quantitative X-ray Spectral Imaging with Spectral Deconvolution**
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