



Donghoon Kim

Postdoctoral Scholar, Radiology

Bio

BIO

Dr. Donghoon Kim is a postdoctoral scholar at Stanford's Center for Advanced Functional Neuroimaging. Before joining Stanford, he earned his Ph.D. in Biomedical Engineering from University of California, Davis, supervised by Dr. Youngkyoo Jung. His Ph.D. thesis was titled "Deep Learning-Driven Technical Developments and Clinical Applications of Arterial Spin Labeling MRI". During his Ph.D. studies, he focused on the development of advanced deep learning techniques for ASL MRI, and its clinical applications. During his master's degree in Biomedical Engineering at Virginia Tech-Wake Forest University, he studied the functional connectivity of the default mode network using resting state BOLD fMRI among youth football players, supervised by Dr. Christopher Whitlow and Dr. Youngkyoo Jung.

PROFESSIONAL EDUCATION

- Master of Science, Wake Forest University (2019)
- Bachelor of Science, Ohio State University (2017)
- Doctor of Philosophy, University of California Davis (2023)
- Ph.D., University of California, Davis , Biomedical Engineering (2023)
- M.S., Virginia Tech - Wake Forest University , Biomedical Engineering (2019)
- B.S., Ohio State University , Electrical and Computer Engineering (2017)

STANFORD ADVISORS

- Greg Zaharchuk, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Parametric cerebral blood flow and arterial transit time mapping using a 3D convolutional neural network** *MAGNETIC RESONANCE IN MEDICINE*
Kim, D., Lipford, M. E., He, H., Ding, Q., Ivanovic, V., Lockhart, S. N., Craft, S., Whitlow, C. T., Jung, Y.
2023; 90 (2): 583-595
- **Relationship Between Cerebrovascular Reactivity and Cognition Among People With Risk of Cognitive Decline.** *Frontiers in physiology*
Kim, D., Hughes, T. M., Lipford, M. E., Craft, S., Baker, L. D., Lockhart, S. N., Whitlow, C. T., Okonmah-Obazee, S. E., Hugenschmidt, C. E., Bobinski, M., Jung, Y.
2021; 12: 645342
- **Preliminary Study for Designing a Novel Vein-Visualizing Device.** *Sensors (Basel, Switzerland)*
Kim, D., Kim, Y., Yoon, S., Lee, D.
2017; 17 (2)