

KANG DU

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Beijing University of Technology

September 2014 - July 2018

Bachelor of Science in Engineering, Major in Electrical Engineering

Research Interest: Computer Vision, Medical Image Analysis, Compressed Sensing MRI

RESEARCH EXPERIENCE

Developing Brain Research Laboratory

Children's National Medical Center, D.C.

Remote Research Intern

Sept 2018 - Present

- Advised by Dr. Li Zhao.
- Focus on fetal and neonatal MRI technical developments, including computational models, novel fast imaging sequence and reconstruction algorithm.

MRI Research, Clinical Science

Philips Healthcare, Beijing

Research Intern

June 2018 - Sept 2018

- Advise by Dr. Xiaoqi Wang.
- Investigated Wavelet Transform and Compressed Sensing.

Signal and Information Processing Laboratory

Beijing University of Technology

Undergraduate Researcher

June 2016 - July 2018

- Advised by Dr. Hui Zhang.
- Tested state-of-art schemes for lung motion registration.
- Developed a GUI software to visualize 3D motion of coronary artery.
- Proposed an algorithm for automatic 3D vascular structure segmentation based on Graph Cuts.
- Proposed an algorithm for interactive 3D+t vascular structure segmentation based on Minimal Path Method.

HOROURS & AWARDS

National Undergraduate Mathematical Contest in Modeling, Beijing: First Prize

Summer 2017

Academic Excellence Scholarship

2014-2016

Merit Student (top 2%)

2014-2015