

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

MRI Group, Clinical Science

Research Intern

Philips Healthcare, Beijing

June 2018 - Present

- Investigated Wavelet Transform and Compressed Sensing.

Signal and Information Processing Laboratory

Undergraduate Researcher

Beijing University of Technology

June 2016 - July 2018

- 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.

HONOURS & AWARDS

National Undergraduate Mathematical Contest in Modeling, Beijing: First Prize

Summer 2017

The Mathematical Contest in Modeling (MCM/ICM): Honorable Mention

Spring 2017

Beijing University of Technology ACM ICPC Qualification Contest: First Prize (ranking: 2/101)

Spring 2017

Beijing University of Technology Physics Contest: Honorable Mention

Summer 2016

Academic Excellence Scholarship

2014-2016

Beijing University of Technology Wisdom Trip Mathematical Modeling Contest: Second Prize

2015

Merit Student (top 2%)

2014-2015