Ke Xiao

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EDUCATION

09/19 - CURRENT
PhD Student in COMPUTER SCIENCE
University of Massachusetts Amherst, Amherst, Massachusetts
Research Field: Computer Vision & Deep Learning on Medical Imaging
Advisor: Prof. Madalina FITERAU BROSTEAN

12/2016
Master of Science in MECHANICAL ENGINEERING | GPA: 3.97/4.0
Colorado School of Mines, Golden, Colorado
Research Field: Robotics, Automation, and Design
ACADEMIC ADVISOR: Prof. Douglas VAN BOSSUYT

06/2014
Bachelor's Degree in MECHANICAL ENGINEERING | GPA: 3.43/4.0
Beihang University, Beijing, China
Thesis: "Design and Research of Compliant Mobile Robots in Rough Terrain"

WORK EXPERIENCE

09/19 - CURRENT
Research Assistant at UNIVERSITY OF MASSACHUSETTS AMHERST
Medical Imaging Research at Info Fusion Lab
Working on Computer Vision & Deep Learning research in the medical imaging field, including Mitral Regurgitation classification, Long-axis view Cardiac MRI segmentation, etc.

07/17 - 08/19
Research Data Analyst at SCHOOL OF MEDICINE, STANFORD UNIVERSITY
MRI Data Analyst with Machine Learning and Convolutional Neural Network technology.
Working on computer vision projects with MRI image datasets. Applying fully-connected neural network models, convolutional neural network models and recurrent neural network models on image classification and segmentation tasks. Developing MRI image processing platforms. Developing Neural Network model experiments and hyper-parameter tuning pipeline, etc.

08/16 - 12/16
Teaching Assistant at EECS, COLORADO SCHOOL OF MINES, Colorado
Teaching Assistant of CSCI507 Computer Vision Class
Provided various assistance to Professor in the class, including giving several lectures for students, grading homeworks, quizzes and lab assignments, and answering students' questions.

01/16 - 12/16
Computer technician at CCIT, COLORADO SCHOOL OF MINES, Colorado
Administrative/Academic Department Support
Provided technical support to academic and administrative departments, including supports and services for desktop, workstation computers, and related peripherals.

SUMMER 2012
Summer Intern at NIMAK WELDING(BEIJING) LTD, *Beijing*
Mechanical Engineer of Control Cabinet Assembly line
Helped develop, manufacture, install mechanical and electronic components of the Control Cabinet of the electrode holder.