

Ph.D.

SIYUAN GAO

203-390-8901
siyuan.gao@yale.edu

EDUCATION

Ph.D. in Engineering

August 2016 – present
Yale University
Overall GPA: 4.00/4.00(4/4 Honors Course)

Bachelor in Mathematics and Applied Mathematics

August 2012 – June 2016
Zhejiang University
Overall GPA: 3.84 /4.00, Computer Science related(32 credits):
4.00/4.00,
Third year rank: 1/78

HONORS AND AWARDS

Outstanding Student Leader Awards, 2012-2013

First-Class Scholarship for Outstanding Students, 2014-2015

National Scholarship(Top 1.5%), 2014-2015

Outstanding graduate of Zhejiang Province, 2016

Yale University graduate fellowship, 2016-2021

RESEARCH EXPERIENCE

Department of Computer Science and Engineering, NEW YORK

University, SHANGHAI

Jan 2016-April 2016

Advisor: Nan Cao

Developed a rare category detection algorithm for a data visualization system. Paper submitted to IEEE Transactions on Visualization and Computer Graphics.

Department of Biomedical Engineering, University of California, Davis

July 2015-September 2015

Advisor: Jinyi Qi

Developed JMLAA algorithm, which improved performance of the state-of-art MLAA algorithm for PET image reconstruction. It combined two likelihood functions for different information and using optimization algorithm to get the more accurate reconstructed PET image.

Department of Computer Science, Zhejiang University

March 2015-July 2015

Advisor: Kun Zhou

Developed two image blending projects, one by solving Poisson equations and another by using Mean-Value Coordinate system, using OpenCV and OpenMP