

XUEJIAN RONG

PERSONAL DATA

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EDUCATION

2013-present The City College of New York, CUNY, New York, NY 10031
Ph.D. Candidate in Electrical Engineering GPA 4.0/4.0 till now
Research Interests: Machine Learning, Computational Photography
[Homepage](#) in [Media Lab](#) Advisor: Professor [Yingli Tian](#)
2009-2013 Nanjing University of Aeronautics and Astronautics, Nanjing, China
Bachelor of Engineering in Detection Guidance and Control Technology
Overall GPA 87/100 Major GPA 88/100 First Class Honors

RESEARCH EXPERIENCE

5/2012-4/2013 KINECT based Virtual Fixtures in Teleoperation of Space Robot
Designed rendering algorithms to control the Haptic Interaction Point (HIP) to interact with virtual environment created by the depth data from KINECT(Microsoft Corp.)
5/2011-4/2012 A New Globose Mars Exploration Robot based on Action Control
Developed programs in C++ for control algorithms for six degrees of freedom robot manipulator. Collected human gestures and movement data using KINECT and designed models. Performed rotation matrix calculations and implemented synchronous motion of robot manipulator and human arms.

PUBLICATION

A New Globose Mars Exploration Robot Based On Action Control Technology, Peng Zong, Cheng Xu, Xuejian Rong, Yongliang Huang, Guowen Li, Global Space Exploration Conference, 2012

HONOR & AWARDS

12/2011 Second Prize in Wanlong Cup Robot Contest
Ranked 2nd out of 30+ teams at Nanjing University of Aeronautics and Astronautics
2009-2013 First Class Academic Scholarship
For top 10% students in the whole department

TECHNICAL SKILLS

Programming Language C, C++, Matlab, Python, C# and Shell script with practical experiences
Platforms and Tools Visual Studio, QT, GIT, L^AT_EX, GNU Linux(Ubuntu)

LANGUAGE

Chinese Mandarin: Native *English*: Fluent *Japanese*: Beginner