

XUEJIAN RONG

PERSONAL DATA

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EDUCATION

2013-present The City College, City University of New York, 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

Xuejian Rong, Chucai Yi, Xiaodong Yang and Yingli Tian. *Scene Text Recognition in Multiple Frames based on Text Tracking*. IEEE International Conference on Multimedia & Expo (ICME), 2014

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