

# 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

## 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

## 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.

## HONOR & AWARDS

*12/2011*                Second Prize in Wanlong Cup Robot Contest

Ranked 2<sup>nd</sup> 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<sup>A</sup>T<sub>E</sub>X, GNU Linux(Ubuntu)

## LANGUAGE

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