

# Qi Guo

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EDUCATION	<b>Carnegie Mellon University</b> Pittsburgh, U.S. <ul style="list-style-type: none"><li>• Master of Robotics, School of CS (Focus: ML/AI, GPA: 3.92/4.3) <i>Aug 2014 - May 2016</i></li></ul> <b>Tsinghua University</b> Beijing, China <ul style="list-style-type: none"><li>• Bachelor of Computer Software, School of Software <i>Sep 2010 - Jul 2014</i></li><li>• Bachelor of Economics, School of Economics and Management <i>Sep 2011 - Jul 2014</i></li></ul> <b>Swiss Federal Institute of Technology (ETH)</b> Zurich, Switzerland <ul style="list-style-type: none"><li>• Exchange Student, Computer Science (Informatik) <i>Feb 2013 - Aug 2013</i></li></ul>	
RESEARCH & PROFESSIONAL EXPERIENCE	<b>Carnegie Mellon University</b> , Research Assistant <i>Oct 2014 - May 2016</i> Advised by Emma Brunskill, Jeffrey Bigham and Niki Kittur <ul style="list-style-type: none"><li>• Questimator: Generating multiple-choice questions for arbitrary topics<ul style="list-style-type: none"><li>• Utilized embedding models word2vec and skip-thought vectors</li><li>• Conducted crowdsourced evaluation with 800+ Amazon mechanical turkers</li></ul></li><li>• Optical character recognition (OCR) with visual attention<ul style="list-style-type: none"><li>• CNN+BLSTM for visual feature extraction from scene text images</li><li>• Multi-layer LSTM decoder with attention mechanism</li></ul></li></ul> <b>HTC Beijing Research Center</b> , Intern <i>March 2014 - June 2014</i> Advised by Deli Zhao and Xiaoming Jin <ul style="list-style-type: none"><li>• Built a system for social network sentiment analysis, using layered SVM and LDA</li><li>• Applied it for behavioral finance problems. (<i>Distinct Economics Bachelor Thesis</i>)</li></ul> <b>Microsoft Research Asia</b> , Intern <i>Sep 2013 - Feb 2014</i> Advised by Fan Yang and Lvdi Wang <ul style="list-style-type: none"><li>• Digital Barber: a mobile app based on 3D hair reconstruction from single image</li><li>• Worked on 3D head/hair model reconstruction, hair simplification etc.</li></ul> <b>CG Lab, ETH &amp; Disney Research Zurich</b> , Research Assistant <i>Jun 2013 - Aug 2013</i> Advised by Henning Zimmer and Markus Gross <ul style="list-style-type: none"><li>• Optical flow estimation with multi-spectral images, using wide-spectrum information</li><li>• With Gauss-Seidel solver, accelerated by successive over-relaxation method (SOR)</li></ul> <b>Tsinghua ShareCourse Web App</b> , Developer <i>June 2011 - Jan 2012</i> <ul style="list-style-type: none"><li>• A social platform for sharing course information, 2,000+ visitors/day at the peak</li><li>• Worked on database and website APIs, participated in architecture design</li></ul>	
PUBLICATION	<ul style="list-style-type: none"><li>• <b>Qi Guo</b>, Chinmay Kulkarni, Niki Kittur, Jeffrey P. Bigham and Emma Brunskill <i>Questimator: Generating Knowledge Assessments for Arbitrary Topics</i>, IJCAI 2016</li></ul>	
HONORS & AWARDS	Research Assistant Scholarship, CMU <i>Jan 2015</i> Jingwei Innovation Fund Oversea Research Scholarship <i>July 2013</i> Excellent Exchange Student Scholarship, ETH <i>Feb 2013</i> Outstanding Student Program-Entrepreneurial Track, SEM <i>June 2012</i> Student Research Scholarship <i>Oct 2011</i> First Prize, National Physics Olympiad, Hebei Province, China <i>Oct 2009</i>	
COURSES & SKILLS	<b>Courses@CMU</b> : Machine Learning, Computer Vision, Probabilistic Graphical Models, Convex Optimization, Intermediate Statistics, Statistical Machine Learning, Math for Robotics <b>Skills</b> : Python (scikit-learn, numpy, tensorflow/theano, NLTK, Django), C/C++, AWS	