

Qi Guo

CONTACT	4228 Newell-Simon Hall 5000 Forbes Avenue Pittsburgh, PA 15213 USA	+1-412-499-1582 qiguo@andrew.cmu.edu http://qiguo.ml
EDUCATION	Carnegie Mellon University Pittsburgh, U.S. • Master of Robotics, School of CS (Focus: ML/AI, GPA: 3.92/4.3) <i>Aug 2014 - May 2016</i> Tsinghua University Beijing, China • Bachelor of Computer Software, School of Software <i>Sep 2010 - Jul 2014</i> • Bachelor of Economics, School of Economics and Management <i>Sep 2011 - Jul 2014</i> Swiss Federal Institute of Technology (ETH) Zurich, Switzerland • Exchange Student, Computer Science (Informatik) <i>Feb 2013 - Aug 2013</i>	
RESEARCH & PROFESSIONAL EXPERIENCE	Carnegie Mellon University , Research Assistant <i>Oct 2014 - May 2016</i> Advised by Emma Brunskill, Jeffrey Bigham and Niki Kittur <ul style="list-style-type: none">• Questimator: Generating multiple-choice questions for arbitrary topics<ul style="list-style-type: none">• Utilized word2vec and skip-thought vectors (neural network models)• Conducted crowdsourced evaluation with 800+ Amazon mechanical turkers• Optical character recognition with Visual Attention<ul style="list-style-type: none">• CNN+BLSTM for visual feature extraction from scene text images• Multi-layer LSTM decoder with attention mechanism HTC Beijing Research Center , Intern <i>March 2014 - June 2014</i> Advised by Deli Zhao and Xiaoming Jin <ul style="list-style-type: none">• Built a system for social network sentiment analysis, using layered SVM and LDA• Applied it for behavioral finance problems. (<i>Distinct Economics Bachelor Thesis</i>) Microsoft Research Asia , Intern <i>Sep 2013 - Feb 2014</i> Advised by Fan Yang and Lvdi Wang <ul style="list-style-type: none">• Digital Barber: a mobile app based on 3D hair reconstruction from single image• Worked on 3D head/hair model reconstruction, hair simplification etc. CG Lab, ETH & Disney Research Zurich , Research Assistant <i>Jun 2013 - Aug 2013</i> Advised by Henning Zimmer and Markus Gross <ul style="list-style-type: none">• Optical flow estimation with multi-spectral images, using wide-spectrum information• With Gauss-Seidel solver, accelerated by successive over-relaxation method (SOR) Tsinghua ShareCourse Web App , Main Developer <i>June 2011 - Jan 2012</i> <ul style="list-style-type: none">• Built a social platform for sharing course information, 2,000+ visitors/day at the peak• Worked on database and website APIs, participated in architecture design	
PUBLICATION	• Qi Guo , Chinmay Kulkarni, Niki Kittur, Jeffrey P. Bigham and Emma Brunskill <i>Questimator: Generating Knowledge Assessments for Arbitrary Topics</i> , IJCAI 2016	
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	Courses@CMU : Machine Learning, Computer Vision, Probabilistic Graphical Models, Convex Optimization, Intermediate Statistics, Statistical Machine Learning, Math for Robotics Skills : Python (scikit-learn, numpy, tensorflow/theano, NLTK, Django), C/C++, AWS	