

Siyang Qin

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- EDUCATION**
- University of California Santa Cruz, CA** 09/2013-present
• Ph.D. candidate in Computer Engineering GPA: 3.92/4.0
• Thesis: Text Spotting in the Wild
• Advisor: Prof. Roberto Manduchi
- Tsinghua University, Beijing** 08/2008-07/2012
• B.E. in School of Software GPA: 83/100
- RESEARCH INTERESTS**
- Computer Vision, Image Processing and Machine Learning**
• Computer vision: scene text detection and tracking, semantic segmentation
• Image processing: face beautification, saliency detection, image matting
• Machine learning: deep learning for image/video understanding, sparse coding
- EXPERIENCE**
- Research Assistant, University of California Santa Cruz** 09/2014-present
• Advisor: Prof. Roberto Manduchi
• Topic: Robust scene text detection using Convolutional Neural Network
• Topic: Automatic face and hair segmentation using fully convolutional networks and image matting for portrait editing
- Software Engineering Intern, Google Inc., Mountain View** 06/2016-09/2016
• Team: Android Camera Machine Intelligence
• Host: Radford Juang and Simon Safar
• Project: Face shadow removal and skin smoothing
- Software Engineering Intern, Google Inc., Mountain View** 06/2015-09/2015
• Team: Google Photos
• Host: Claude Knaus and Jason Chang
• Project: Interactive shape collage on device
- Research Assistant, University of California Santa Cruz** 12/2013-02/2014
• Advisor: Prof. James Davis
• Topic: Dynamic mapping for multiview autostereoscopic displays
- Research Assistant, Tsinghua University** 02/2012-07/2012
• Advisor: Prof. Hui Zhang
• Topic: Online learning and tracking
• Topic: 3D shape reconstruction based on line drawing
- Research Intern, Microsoft Research Asia, Beijing** 07/2011-02/2012
• Mentor: Dr. Henry Li
• Topic: Event phrases and person name mining
• Topic: Building semantic tree for hierarchical topic spotting

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| PUBLICATIONS | 1. Cascaded Segmentation-Detection Networks for Word-Level Text Spotting Siyang Qin , Roberto Manduchi <i>arXiv: 1704.00834</i> | |
| | 2. Automatic Skin and Hair Masking using Fully Convolutional Networks Siyang Qin , Seongdo Kim, Roberto Manduchi <i>IEEE International Conference on Multimedia and Expo (ICME), 2017</i> , Hong Kong (Oral) | |
| | 3. A Fast and Robust Text Spotter Siyang Qin , Roberto Manduchi <i>IEEE Winter Conference on Applications of Computer Vision (WACV), 2016</i> , Lake Placid, NY | |
| | 4. Dynamic Mapping for Multiview Autostereoscopic Displays Jing Liu, Tom Malzbender, Siyang Qin , Bipeng Zhang, Che-An Wu, James Davis <i>IS&T/SPIE Electronic Imaging, 2015</i> | |
| TEACHING | Teaching Assistant, Image Analysis and Computer Vision | Fall 2016 |
| | Teaching Assistant, Applied Discrete Mathematics | Spring 2016 |
| | Teaching Assistant, Universal Access | Fall 2015 |
| TALKS | 1. Automatic skin and hair masking using fully convolutional networks, IEEE International Conference on Multimedia and Expo (ICME), Hong Kong | 2017 |
| | 2. Face shadow removal and skin smoothing, Google Inc., Mountain View | 2016 |
| | 3. A Fast and Robust Text Spotter, IEEE Winter Conference on Applications of Computer Vision (WACV), Lake Placid, NY | 2016 |
| | 4. Interactive shape collage on device, Google Inc., Mountain View | 2015 |
| HONORS AND AWARDS | University of California Regent's Fellowship | 2013 |
| | First Prize, 26 th National Physics Olympiad for college students | 2009 |
| | First Prize, 25 th National Physics Olympiad for high school students | 2007 |
| COMPUTER SKILLS | Programming: C/C++, Python, Matlab, Android development Software: Caffe, OpenCV, Matlab, Vim, L ^A T _E X, Eclipse, Xcode | |