

Jiabing Li

1-832-3870368
jiabingli601@hotmail.com
4800, Calhoun Rd, Houston, TX 77004



EDUCATION

- University of Houston (UH)** **08/2015-Present**
- *Ph.D.* in Electrical and Computer Engineering
 - GPA: 3.879/4.0
- University of Electronic Science and Technology of China (UESTC)** **09/2011-06/2015**
- *Bachelor of Engineering* in Electronic and Information Engineering
 - GPA: 3.86/4.0 or 88.6/100

ACADEMIC EXPERIENCE

- Reconstruction of Cell boundaries Using Reliable Iterative Tensor Voting, UH** **05/2018-Present**
- 3D Level Sets algorithm design for network segmentation;
- 3D Network segmentation based on Level Sets Method, UH** **09/2017-Present**
- 3D Level Sets algorithm design for network segmentation;
- High-throughput single-cell segmentation by time-lapse imaging microscopy in nanowell grids, UH** **09/2015-05/2018**
- Automated cell seeds detection & cell shape segmentation;
- Parking Lot Vacancy Detector, UH** **01/2017-06/2017**
- Available parking space detection of Parking Lot;
- Image DE-hazing using color-Lines, UH** **01/2016-06/2016**
- Image de-hazing based on color-line models;
- Research of Light Field Image Generation and Refocusing Algorithm Design, UESTC** **08/2014-05/2015**
- Light Field Image profiling and generation;
 - Light-Field Image refocusing algorithm design.

INTERNSHIP

- Microsoft Research Asia (MSRA)** **11/2014-02/2015**
- Real-Time Whiteboard Scanning & Processing and Image Enhancement**
- Whiteboard rectification algorithm Design;
 - Video Foreground Extraction.

PUBLICATION

- **Hengyang Lu, Jiabing Li, Melisa Martinez Paniagua, Irfan Bandey, Amit Amritkar, Harjeet Singh, David Mayerich, Navin Varadarajan, Badrinath Roysam, "TIMING 2.0: High-throughput single-cell profiling of dynamic cell-cell interactions by time-lapse imaging microscopy in nanowell grids,"** Bioinformatics, 2018

TECHNOLOGY AND SKILLS

- MATLAB, Visual Studio, Spyder, Mega16, Single Chip Micryo (SCM) 51, Amira, Anaconda
- Computer languages: C/C++, Python, MATLAB, JAVA
- Language: English & Chinese