

HaoYang

Ph.D of Software Engineering · Tsinghua University



contact

(+86)13811900485
yangh2007@gmail.com
yanghao14@
mails.tsinghua.edu.cn

East main building,
Room 410
Tsinghua University
Beijing

languages

Chinese: mother
tongue
English: fluency

programming

♥ C/C++,
MATLAB, Java

GPA rank

Undergraduate: 16/66
Graduate (1st year):
23/211

other skills

Blender
Adobe Photoshop
...

education

- 2011–2017 **Ph.D** of Software Engineering at School of Software, Tsinghua University, Beijing
specialization in single view 3D reconstruction
- 2007–2011 **Bachelor** of Computer Science at School of Software, Tsinghua University, Beijing

publications

- 2016 **Efficient 3D Room Shape Recovery from a Single Panorama**
accepted as *Oral* by Computer Vision and Pattern Recognition 2016
- 2015 **A Per-Pixel Noise Detection Approach for Example-based Photometric Stereo**
Computers & Graphics 46 (2015): 327-335.
- 2014 **Modeling Room Structure from Indoor Panorama**
proceedings of the 13th ACM SIGGRAPH International Conference on Virtual-Reality Continuum and its Applications in Industry. ACM, 2014.
- 2013 **Indoor Structure Understanding from Single 360° Cylindrical Panoramic Image**
Computer-Aided Design and Computer Graphics (CAD/Graphics), 2013 International Conference on. IEEE, 2013.

projects

- 2016–Now **Automatic Reconstruction of Line Drawings** at Institute of CAD/G, Tsinghua University
as project leader, main researcher/developer
- 2015 **Automatic Room Shape Recovery from a Single Indoor Panorama**
as project leader, main researcher/developer
- 2013-2014 **A System for Modeling 3D Room Structures based on a Single Panorama**
as project leader, main researcher/developer
- 2010-2011 **The Ghost: A Cheap 3D Display System** at team: Tsinghua BOB
as researcher/developer

awards

- 2014 **Huayu Scholarship (1st Prize)**
- 2011 **The Grand Price of Global NI LabVIEW Student Design Competition** held by the NI corp.
The Grand Prize of the 1st Virtual Instrument Contest in China held by the China
Instrument and Control Society
- 2010 **The First Prize of the 29th Challenge Cup Competition of Tsinghua University**

part-time

- 2014, 2015 **Digital Media (1): Graphics and Animation** at School of Software, Tsinghua University
as teaching assistant