# Zhensong Zhang

| CONTACT INFORMATION | Ph.D. Student | ☎ (+852) 97195713 |
|---|---|---|
| | | ☎ (+86) 14715027435 |
| | Room 905, Ho Sin-Hang Engineering Building | ✉ zszhang@cse.cuhk.edu.hk |
| | Department of Computer Science and Engineering | ⌂ www.zhensongzhang.com |
| | The Chinese University of Hong Kong | ⌂ github.com/zhangzhensong |
| | Shatin, New Territories, Hong Kong | |

**RESEARCH INTERESTS**

My research interest includes computer graphics and computer vision. Recently, I work on image and video editing, and computational videography.

**EDUCATION**

**The Chinese University of Hong Kong**, Hong Kong

Ph.D., Computer Science and Engineering                                         2014 - present
- Supervisor: Prof. Hanqiu Sun

**University of Chinese Academy of Sciences**, Beijing

M.S., Computer Applied Technology                                               2011 - 2014

**Xidian University**, Xi'an

B.E., Software Engineering                                                      2007 - 2011

**RESEARCH EXPERIENCE**

**Research Assistant**                                                          Aug 2014 - present
Department of Computer Science and Engineering
The Chinese University of Hong Kong
Supervisor: Prof. Hanqiu Sun

**Research Assistant**                                                          Sep 2011 - Jun 2014
HCI Lab, Institute of Software
Chinese Academy of Sciences
Supervisors: Prof. Fengjun Zhang and Prof. Hui Chen

**Research Assistant**                                                          Sep 2010 - Jun 2011
School of Software
Xidian University
Supervisor: Prof. Yanni Li

**REFEREED JOURNAL PUBLICATIONS**

- Nie, Y., Su, T., **Zhang, Z.**, Sun, H. and Li, G.
  Dynamic Video Stitching via Shakiness Removing
  In *IEEE Transactions on Image Processing*, 27 (1), pp. 164 - 178, 2018.

- Nie, Y., **Zhang, Z.**, Sun, H., Su, T. and Li, G.
  Homography Propagation and Optimization for Wide-baseline Street Image Interpolation
  In *IEEE Transactions on Visualization and Computer Graphics*, 23 (10), pp. 2328 - 2341, 2017.

- Li, Y., Wang, Y., Jiang, P. and **Zhang, Z.**
  Multi-objective Optimization Integration of Query Interfaces for the Deep Web based on Attribute Constraints
  In *Data & Knowledge Engineering*, 86, pp. 38 - 60, 2013.

| | |
|---|---|
| REFEREED CONFERENCE PUBLICATIONS | • Lai, Q., Nie, Y., **Zhang, Z.** and Sun, H.<br>Temporal Coherent Video Super-resolution via Pre-frame-constrained Sparse Reconstruction<br>Accepted to *CGI 2018*. Bintan Island, Indonesia, June 11-14, 2018. |
| | • **Zhang, Z.**, Nie, Y., Sun, H., Lai, Q. and Li, G.<br>Multi-video Object Synopsis Integrating Optimal View Switching<br>In *SIGGRAPH ASIA 2017 Technical Briefs*. Bangkok, Thailand, November 27 - 30, 2017. |
| | • Su, T., Nie, Y., **Zhang, Z.**, Sun, H. and Li, G.<br>Video Stitching for Handheld Inputs via Combined Video Stabilization<br>In *SIGGRAPH ASIA 2016 Technical Briefs*. Macao, December 5 - 8, 2016. |
| | • Li, Y., Wang, Y., **Zhang, Z.**, Wang, Y., Ma, D. and Huang, J.<br>A Novel Fast and Memory Efficient Parallel MLCS Algorithm for Long and large-scale Sequences Alignments<br>In *Proceedings of the 32nd IEEE International Conference on Data Engineering (ICDE)*. Helsinki, Finland, May 16 - 20, 2016. |
| | • **Zhang, Z.**, Nie, Y. and Sun, H.<br>Color Correspondence of Image Warping using Plane Constraints<br>In *Proceedings of the 21st ACM Symposium on Virtual Reality Software and Technology (VRST)*. Beijing, China, November 13 - 15, 2015. |
| | • **Zhang, Z.**, Zhang, F., Chen, H., Liu, J., Wang, H. and Dai, G.<br>Left and Right Hand Distinction for Multi-touch Tabletop Interactions<br>In *Proceedings of the 19th ACM International Conference on Intelligent User Interfaces (IUI)*. Haifa, Israel, February 24 - 27, 2014. |

| | | |
|---|---|---|
| AWARDS | Travel Award | |
| | • International Conference on Intelligent User Interfaces, Haifa, Israel | Feb 2014 |
| | Student Awards - The Chinese University of Hong Kong | |
| | • CUHK Postgraduate Studentship | 2014 - 2018 |
| | • Best TA Award | 2017 |
| | • Certificate of Merit TA Award | 2015 & 2016 & 2017 |
| | Student Awards - University of Chinese Academy of Sciences | |
| | • National Scholarship | 2013 |
| | • Merit Student | 2012 & 2013 |
| | Student Awards - Xidian University | |
| | • National Scholarship for Encouragement | 2009 |
| | • The First Class Scholarship for Academic Achivement | 2008 & 2010 |
| | • Merit Student | 2008 & 2010 |
| | • Excellent Student Cadre | 2009 & 2011 |

| | | |
|---|---|---|
| TEACHING ASSISTANT | CSCI 5460 - Virtual Reality | Spring 2016 & Fall 2016 & Fall 2017 |
| | CSCI 3170 - Introduction to Database Systems | Spring 2017 |
| | CSCI 2100 - Data Structures | Spring 2015 |
| | CSCI 3310 - Mobile Computing and Applications Development | Fall 2014 & Fall 2015 |

| | |
|---|---|
| SKILLS | Programming<br>    C/C++, Java, Matlab, Python, LaTeX |