

Heng Guo

070-1322-8279 | heng.guo@ist.osaka-u.ac.jp | [Homepage](#)

EDUCATION

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|---|---|
| University of Electronic Science and Technology of China (UESTC) <i>Bachelor of Electronic Engineer</i> | Chengdu, China Aug. 2015 – Sep. 2011 |
| University of Electronic Science and Technology of China (UESTC) <i>Master of Signal Processing</i> | Chengdu, China Aug. 2018 – Sep. 2015 |
| Osaka University <i>Doctor of Computer Science</i> | Osaka, Japan Present – Sep. 2018 |

EXPERIENCE

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|---|---|
| Research Assistant <i>Osaka University</i> | Oct. 2018 – Present Osaka, Japan |
| Research Intern <i>AI lab of Qihoo 360 Technology Co. Ltd.</i> | June 2016 – Jan. 2017 Beijing, China |
| <ul style="list-style-type: none">Propose a real-time video stabilization algorithm for user-captured videos with 0.5s delay.Implement an android application for real-time video stabilization. | |

HONORS

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| Excellent Master Thesis of UESTC (Top 3%) | June 2018 |
| Excellent Postgraduate of UESTC (Top 6%) | June 2018 |
| National Scholarship of China(Top 2%) | Oct. 2017 |
| Academic Scholarship of UESTC (Top 10%) | 2015 & 2016 & 2017 |
| Excellent Graduate of UESTC (Top 7%) | Sep. 2015 |
| The 1st Prize of National College Student Information Security Contest | July 2014 |
| The 2nd Prize of National Undergraduate Electronics Design Contest | Sep. 2013 |
| People's Scholarship (Top 15%) | 2011 & 2012 & 2013 |
| Outstanding Individual in Social Practice | Sep. 2012 |

PUBLICATION

- [1] Guo Heng, et al. "Multispectral Photometric Stereo for Spatially-Varying Spectral Reflectances: A well posed problem?" IEEE Conference on Computer Vision and Pattern Recognition. (**CVPR 2021**).
- [2] Guo Heng, et al. "Self-calibrating Near-light Photometric Stereo under Anisotropic Light Emission." Meeting on Image Recognition and Understanding (**MIRU 2020 Best student paper**).
- [3] Guo Heng, et al. "Joint video stitching and stabilization from moving cameras." IEEE Transactions on Image Processing (**TIP 2016**).
- [4] Guo Heng, et al. "View-consistent meshflow for stereoscopic video stabilization." IEEE Transactions on Computational Imaging (**TCI 2018**).
- [5] Guo Heng, et al. "Joint bundled camera paths for stereoscopic video stabilization." IEEE International Conference on Image Processing (**ICIP 2018 Oral**).
- [6] Guo Heng, et al. "Multispectral Photometric Stereo for Spatially-Varying Spectral Reflectances" International Journal of Computer Vision. (IJCV under review).
- [7] Guo Heng, et al. "Patch-based uncalibrated photometric stereo under natural illumination" IEEE Transactions on Pattern Analysis and Machine Intelligence. (TPAMI under review).

SKILLS

Program language: Java, Python, C/C++
Certificacts: TOEFL (95), CET-6 (527)