



Xuhui Zhao

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SELF-INTRODUCTION

- My major is photogrammetry and remote sensing, research in intelligent perception and robotics, video satellite analysis.
- I have solid professional skills and understanding on CV, DL and remote sensing, develop proficiently with C++, Python.
- I am serious and enthusiastic on work, serving as volunteers many times in international conferences with good English.
- I like playing guitar, photography, familiar with multimedia softwares and have designed logos for my student union.

ENGLISH ABILITY

- CET6 531
- Finished Graduate Academic Writing Course

EDUCATION

Wuhan University	Aug 2016 - Jun 2019
Photogrammetry and Remote Sensing, Master , State Key Laboratory of Information Engineering in Surveying, Mapping and Remote Sensing	Wuhan, China
<ul style="list-style-type: none"> • GPA : 3.55 / 4.0 (Top 15%) • Honors/Awards: First-class Scholarship of WHU, Minister of Dept. of Publicity of Graduate Student Union of LIESMARS 	
Henan Polytechnic University	Aug 2012 - Jun 2016
Surveying and Mapping Engineering, Bachelor , College of Surveying and Mapping and Land Information Engineering	Jiaozuo, China
<ul style="list-style-type: none"> • GPA : 3.67 / 4.0 (Top 1.8%) • Honors/Awards: China National Scholarship, First Class Excellent Scholarship of HPU, Excellent Graduates of Henan Province, Minister of Dept. of Publicity of College Students' Union 	

HONORS & AWARDS

Honored as Social Activist (Wuhan University)	2018
LIESMARS International Geoinformatics Summer School - Culture Promoter Award	2017
Interdisciplinary Contest In Modeling (ICM) - Honorable Mention	2016
Mathematical Contest In Modeling (MCM) - Honorable Mention	2015
China University Mathematical Contest in Modeling (CUMCM) - National First Award National	2014
Spoken English Contest (NSEC) - National Third Award	2014
National College English Competition (NECCS) - National Second Award	2013

ACADEMIC EXPERIENCE

- **2018 Hangzhou, China** | 1st National SLAM Technology Forum, CSIG
- **2018 Hangzhou, China** | SLAM Summer School, State Key Lab. of CAD&CG, Zhejiang University
- **2017 Wuhan, China** | ISPRS Geospatial Week, ISPRS&LIESMARS
- **2017 Novosibirsk, Russia** | 8th International Summer Student Seminar, ISPRS
- **2017 Nanjing, China** | Summer School of Micro-Satellite Remote Sensing and Space Exploration Technology, NUA & Jiangsu Provincial Department of Education
- **2017 Wuhan, China** | Geoinformatics Summer School, Wuhan University

PROJECT & PAPERS

Paper: Band Registration Scheme for Remote Sensing Image Considering the Influence of Clouds	May 2019
Journal of Geomatics	
Thesis of Master Degree: Application Research of SLAM in Video Satellite Processing	Jun 2019
SLAM is combined with video satellite processing technology for fast pose estimation of video satellite and real-time tracking and positioning of ground moving targets.	
Thesis of Bachelor Degree: Design and Implementation of Integration System of Surveying and Mapping Based on Android Mobile Platform	Jun 2016
Dozens of common surveying and mapping functions have been developed based on SQLite, sensor, camera, GPU, Baidu map API on Android platform. For more information, see http://zhaoxuhui.top/myapps	
Development Project: Data Processing System Development for OHS-1 Hyperspectral Satellite	Oct 2018
Design and test algorithm for hyperspectral satellite spectral segment registration system based on OpenCV, GDAL libraries.	
Research Project: Research on High Precision Image Stabilization and Motion Target Extraction Technology of Satellite Video	Dec 2015
Design and develop algorithms for moving target tracking in video satellites using C++ language.	

OTHERS

- **GitHub**: <https://github.com/zhaoxuhui> (91 Stars, 30 Forks, 50 Followers in total, update in May, 2019)
- **Tech Blog (Mainly in Chinese)**: <https://zhaoxuhui.top> (300,000+ visits in total, update in May, 2019)
- **Online CV**: <https://zhaoxuhui.top/resume> (In both Chinese and English)