

Bijun Li

CONTACT INFORMATION

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RESEARCH INTERESTS

Computer Vision: Simultaneous localization and mapping, 3D Reconstruction, Stereo vision, Object recognition, Augmented Reality.

EDUCATION

[Tsinghua University](#), Beijing, China Sep. 2015 – Present
M.E., Department of Automation

- Major in Control Engineering (Minored in Big Data Capability Improvement Project)
- Advisor: *Prof. Kai Zhang, DC. Bokui Chen*
- Overall GPA: 3.3/4.0

[Northwestern Polytechnical University](#), Xi'an, China Sep. 2011 – Jul. 2015
B.E., School of Power and Energy

- Major in Automation
- Advisor: *Prof. Kai Zhang, DC. Bokui Chen*
- Overall GPA: 3.36/4.0, last 60 hours GPA: 3.62/4.0

RESEARCH EXPERIENCE

Research Assistant Sep. 2015 – Present
Department of Automation, [Tsinghua University](#), China

- **Advisor:** *Prof. Kai Zhang, DC. Bokui Chen*
- **Projects:** Visual positioning for automated guided vehicle.
Motion control system for omnidirectional wheeled mobile robot.
Avoiding obstacles for logistics terminal delivery robots.

Research Assistant Aug. 2014 – Jun. 2015
School of Power and Energy, [Northwestern Polytechnical University](#), China

- **Advisor:** *Prof. Susan Mai*
- **Projects:** Design of Robust Controller for Aero-Engine.

PUBLICATIONS

1. **Bijun Li**, Mingyao Qi, Kai Zhang, and Bokui Chen*, "Landmark-Based Visual Positioning System for Automatic Guided Vehicle." IEEE Cota International Conference of Transportation Professionals (CICTP). [Abstract Accepted].2017.

2. **Bijun Li**, Mingyao Qi, Yuhan Dong, Kai zhang, Bokui Chen*. "Visual Positioning System and Motion Control Method for Automated Guided Vehicles." The Institution of Engineering and Technology (**IET**). [Submitted]. 2017.

HONORS AND AWARDS

"Qingfeng" Pre-scholarship, Tsinghua University	Tsinghua University	2017
• Big data promotion project certificate	Tsinghua University	2017
• The Third Prize Scholarship	Graduate School at Shenzhen, Tsinghua University	2016
• The First Prize Scholarship	Northwestern Polytechnical University	2014
• The First prize in Mathematical Modeling Contest	Northwestern Polytechnical University	2014
• National Encouragement Scholarship	Northwestern Polytechnical University	2013
• Outstanding Cadres of Student Association	Northwestern Polytechnical University	2013
• The Second Prize in Mathematical Modeling Contest	Northwestern Polytechnical University	2013
• The Second prize in Digital Electronic Experiment Skill Contest	Northwestern Polytechnical University	2013

TEACHING

Teaching Assistant

- Fundamentals of applied information theory Tsinghua-Berkeley Shenzhen 2014

SKILLS

Programming

- Matlab, C/C++, Python, LATEX, OpenCV, Linux.