Zike Yan

CONTACT INFORMATION

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RESEARCH INTERESTS

Computer Vision, Machine Learning

EDUCATION

Harbin Engineering University, Harbin, China **Sep. 2015 - present**
M. Phil., Information and Communication Engineering

Harbin Institute of Technology, Harbin, China **Sep. 2010 - June 2014**
B. Eng., Electrical Engineering and Automation

PUBLICATIONS

Jounal Papers

Yan Z, Xiang X*. Scene Flow Estimation: A Survey, *arXiv preprint arXiv:1612.02590*, 2016.

Xiang X*, Yan Z, Zhang L, et al. A System and Vision Localization Method for the Opening of Railway Oil Tank Wagon Based on Shape Matching, *IEEE Sensors Journal*, 2016.

Confenrence Papers

Xiang X*, Yan Z, Nan C, et al. A modified joint trilateral filter based depth map refinement method, *Intelligent Control and Automation (WCICA)*, 2016, Oral Presentation.

RESEARCH PROJECTS

Intelligent Traffic Surveillance System with a UAV(drone) **Spring 2017**
- Achieving real-time automotive/pedestrian detection and tracking with RGB stream captured from a UAV
- Language: C++, OpenCV library
- Operating System: Windows

Intelligent Monitoring System for Gas Stations **Spring 2016**
- Achieve real-time pedestrian detection and tracking with RGB-D cameras
- Language: C++, OpenCV library
- Operating System: Windows

AWARD

Honorable mention, 2012 Mathematical Contest in Modeling (MCM)

SKILLS

Python, C/C++, Matlab, HTML/CSS

SOCIAL WORK EXPERIENCE

Official photographer. International Cultural Industries Fair(ICIF), Shenzhen (2015, 2016)
Chief director and manager. Graduate TV station of Harbin Institute of Technology (2013, 2014)

Xiang X* is the advisor