Youmin **Zhang**

Yongfeng County, Ji'an City, Jiangxi Province, 331508, China

☎ (+86) 15216299197 | ✉ youmin.zhang2@unibo.com | 🖥 youmi-zym

"Everything happens the best."

Education

University of Bologna	*Bologna, Italy*
PH.D. IN COMPUTER SCIENCE AND TECHNOLOGY	*Nov. 2020 - Now*

- Topics including: depth sensing, SLAM, stereo matching, depth from a single image
- Advisor: Prof.Stefano Mattoccia

Beihang University	*Beijing, China*
M.S. IN COMPUTER SCIENCE AND TECHNOLOGY	*Sep. 2017 - Jun. 2020*

- Thesis: Research and Implementations of Real-time and High Accuracy Binocular Stereo Matching Algorithms
- Advisor: Xiao Bai

Dalian Maritime University	*Dalian, China*
B.S. IN COMMUNICATION ENGINEERING	*Sep. 2013 - Jul. 2017*

- GPA: 4.05/5.0
- Ranking: 4/128

Work Experience

Deep Motion	*Beijing, China*
INTERNSHIP	*Nov. 2018 - Dec. 2019*

- Studying stereo matching related problems for Automatic Driving.

Y-tech, Kuaishou Technology	*Beijing, China*
INTERNSHIP	*Mar. 2020 - Sept. 2020*

- Monocular Depth Estimation, Hybrid Augmented Reality.

Jiangxi Research Institute of Beihang University	*Jiangxi, China*
COMPUTER VISION RESEARCHER	*Sept. 2020 - April. 2021*

- 3D modelling and Visual SLAM, Deep learning for computer vision, Scene Reconstruction and Understanding.

Honors & Awards

INTERNATIONAL

2016	**Silver Medal**, The ACM-ICPC Asia Regional Programming Contest	*Changchun, China*

DOMESTIC

2018-2019	**National Scholarship**, For postgraduates	*China*
2013-2017	**National Motivational Scholarship**, For 4 consecutive years	*China*
2015	**First Prize**, The 2015 ACM-ICPC China Northeast Invitational Programming Contests	*China*
2015	**First Prize**, The 2015 Liaoning Province ACM-ICPC Contest	*China*

Publications

CONFERENCE

Xiaoli Huang, Tongge Xu, Lvan Jiao, Yueran Zu, Youmin Zhang. **Adaptive Beam Search Decoding for Discrete Keyphrase Generation.** In proc.of 35th AAAI Conference on Artifical Intelligence, 2021

Suihanjin Yu, Youmin Zhang, Chen Wang, Xiao Bai, Liang Zhang, Edwin R Hancock. **HMFlow: Hybrid Matching Optical Flow Network for Small and Fast-Moving Objects.** In proc.of 25th International Conference on Pattern Recognition, 2021

Youmin Zhang*, Yimin Chen*, Xiao Bai, Suihanjin Yu, Kun Yu, Zhiwei Li, and Kuiyuan Yang. **Adaptive Unimodal Cost Volume Filtering for Deep Stereo Matching.** In proc.of 34th AAAI Conference on Artifical Intelligence, 2020

Skills

Programming   Python, C++

Languages   Chinese, English

IELTS   **Overall(6.5)**: Listening(7.0), Reading(7.0), Writing(6.0), Speaking(5.5)