Youmin **Zhang**

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"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)