# WENTAO BAO

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https://cogito2012.github.io/homepage

## EDUCATION

**Rochester Institute of Technology**, Rochester, NY, USA                  *Sep. 2019 - Present*
Ph.D. in Golisano College of Computing and Information Sciences
Advisor: Prof. Yu Kong and Prof. Qi Yu

**Wuhan University**, Wuhan, Hubei, China                  *Sep. 2016 - June 2019*
Master's Degree from School of Remote Sensing & Information Engineering

**Wuhan University**, Wuhan, Hubei, China                  *Sep. 2012 - June 2016*
Bachelor's Degree from School of Remote Sensing & Information Engineering

## INTERESTS & SKILLS

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| **Research Interests** | Video Accident Analytics, Object Detection, Human Visual Attention |
| **R&D Skills** | CV/DL Engineering, Android Development, Distributed System |
| **Deep Learning Libraries** | PyTorch, TensorFlow, Keras, Caffe, MXNet |
| **Programing Languages** | Python, Java, C/C++, Matlab, Git |

## SELECTED PUBLICATIONS

**Wentao Bao**, Qi Yu, Yu Kong. Uncertainty-based Traffic Accident Anticipation with Spatio-Temporal Relational Learning. 28th ACM International Conference on Multimedia (**MM**), 2020.

Junwen Chen, **Wentao Bao**, Yu Kong. Activity-driven Weakly-Supervised Spatio-Temporal Grounding from Untrimmed Videos. 28th ACM International Conference on Multimedia (**MM**), 2020.

Junwen Chen, **Wentao Bao**, Yu Kong. Group Activity Prediction with Sequential Relational Anticipation Model. European Conference on Computer Vision (**ECCV**), 2020.

**Wentao Bao**, Qi Yu, Yu Kong. Object-Aware Centroid Voting for Monocular 3D Object Detection. IEEE/RSJ International Conference on Intelligent Robots and Systems (**IROS**), 2020.

Hanbin Hong, **Wentao Bao**, Yuan Hong, Yu Kong. Privacy Attributes-aware Message Passing Neural Network for Visual Privacy Attributes Classification. International Conference on Pattern Recognition (**ICPR**), 2020.

**Wentao Bao**, Zhenzhong Chen. Human Scanpath Prediction based on Deep Convolutional Saccadic Model. **Neurocomputing**, vol. 404, pp. 154-164, Mar. 2020.

**Wentao Bao**, Bin Xu, Zhenzhong Chen. MonoFENet: Monocular 3D Object Detection with Feature Enhancement Networks. *IEEE Transactions on Image Processing* (**TIP**), vol. 29, pp. 2753-2765, Nov. 2019.

Daiqin Yang, **Wentao Bao**. Group Lasso based Band Selection for Hyperspectral Image Classification. *IEEE Geoscience and Remote Sensing Letters* (**GRSL**), vol. 14, no. 12, pp. 2438-2442, Nov. 2017.

## COMPETITIONS

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| **1st** Prize, **Core Member**, Salient360! Visual Attention Modeling for 360° Content. | July 2018 |
| **3rd** Prize, **Team Leader**, The 4th National Graduate Contest on Smart-City. | Aug. 2017 |
| **Bronze** Award, **Team Leader**, The 2nd China "Internet Plus" Competition (Hubei). | Dec. 2016 |
| **2nd** Prize, **Core Member**, The 3rd National Graduate Contest on Smart-City. | Aug. 2016 |
| **1st** Prize, **Core Member**, BigMM 2015 Challenge, Multiple-Camera Object Tracking. | Apr. 2015 |
| **3rd** Prize, **Team Leader**, The 14th National "Challenge Cup" on Smart-City Track. | July 2015 |
| **3rd** Prize, **Core Member**, The 14th National "SuperMap Cup" on GIS Contest. | Dec. 2015 |
| **Meritorious** Winner, **Core Member**, Mathematical Contest in Modeling (MCM). | Feb. 2015 |
| **2nd** Prize, **Team Leader**, The 13th National "SuperMap Cup" on GIS Contest. | Dec. 2014 |

## SELECTED HONORS

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| Excellent Graduated Student, Wuhan University. (top 5%) | May, 2019. |
| **China National Scholarship** for graduate students, | Oct. 2018. |
| The First-class Academic Scholarship, Wuhan University. (top 10%) | Oct. 2017 & 2018. |
| Outstanding Postgraduate Student, Wuhan University. (top 10%) | Dec. 2017 & 2018. |
| Excellent Graduate Freshman Scholarship, Wuhan University. (top 10%) | Oct. 2016 |
| Advanced Individual, Wuhan University. | Jan. 2016 |

## ACADEMIC SERVICES

**Reviewers:**
- IEEE Transactions on Image Processing (TIP).
- Elsevier Journal of Visual Communication and Image Representation (JVCIR).
- Multimedia System Journal(Springer MMSJ).
- IEEE Robotics and Automation Letters (RA-L).
- Elsevier Journal of Measurement.
- 28th ACM International Conference on Multimedia (ACM MM 2020).
- 27th ACM International Conference on Multimedia (ACM MM 2019).
- IEEE International Conference on Multisensor Fusion and Integration for Intelligent Systems (MFI 2020).

**Memberships:**
- IEEE Student Member (Signal Processing Society).
- ACM Student Member.

**Volunteers:**
- 34th AAAI Conference on Artificial Intelligence (AAAI-20), Feb. 7-12, 2020, New York, USA.