WEIKANG WANG

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EDUCATIONS

University of Bonn **Bonn, Germany**
Ph.D Candidate in Computer Science *November 2021 - present*
Columbia University **New York, USA**
M. Sc in Electrical Engineering *September 2017 - February 2019*
Cumulative GPA: 3.53/4.00
Beihang University **Beijing, China**
B. Eng in Automation *September 2013 - June 2017*
Cumulative GPA: 88.9/100.0, **Rank: 1/29 (class), The Outstanding Graduate**
Thesis: Face recognition based on deep learning and embedded platform. Supervisor: Prof. Zhang B. C.

RESEARCH EXPERIENCES

University of Science and Technology of China **Hefei, China**
Academic Visiting Student, Supervisor: Prof. Wang S. F. & Prof. Chen E. H. *June 2019 - September 2020*
○ Proposed a micro-expression recognition framework with assistance of Macro-expression images.
○ One Conference paper published on ACM Multimedia 2020.

Institute of Automation, Chinese Academy of Science **Beijing, China**
Research Intern, Supervisor: Dr. Stan Li *September 2016 - November 2016*

Intelligent System and Control Group, Beihang University **Beijing, China**
Research Student, Supervisor: Prof. Qin, S. Y. & Dr. Wang, T. *July 2015 - December 2015*
○ Developed a new searching and tracking algorithm for a fleet of UVAs based on the idea of quantum probability.
○ One Conference paper published on IEEE International Conference in DSP 2016.

PUBLICATIONS

Wang, Weikang, Dongliang Cao, and Florian Bernard. "Unsupervised 3D Structure Inference from Category-Specific Image Collections." Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition. 2024.

Xia, B.*, **Wang, W.***, Wang, S., & Chen, E. (2020, October). Learning from Macro-expression: a Micro-expression Recognition Framework. In Proceedings of the 28th ACM International Conference on Multimedia (pp. 2936-2944). (∗: Equal Contribution)

Qin, R., Wang, T., Jiang, H., Yan, Q., **Wang, W.**, & Snoussi, H. (2016, October). Cooperative target searching and tracking via UCT with probability distribution model. In 2016 IEEE International Conference on Digital Signal Processing (DSP) (pp. 560-564). IEEE.

Wang, C. L., Ni, W., Zhang, S. Q., Wang, S., Gai, G. S., & **Wang, W. K.** (2016). Preparation and properties of autoclaved aerated concrete using coal gangue and iron ore tailings. Construction and Building Materials, 104, 109-115.