

WU QINGTIAN (吴庆甜)

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EDUCATION

Ph.D., Computer Science, University of Macau	Aug. 2020 - Dec. 2023
M.S., Computer Science, University of Chinese Academy of Sciences	Sep. 2014 - Jun. 2017
B.Eng., Information Engineering, Shenzhen University	Sep. 2010 - Jun. 2014

PUBLICATIONS

[Parallel Self-Attention and Spatial-Attention Fusion for Human Pose Estimation and Running Movement Recognition.](#)
Qingtian Wu, Yu Zhang, and Liming Zhang. *IEEE Transactions on Cognitive and Developmental Systems* (JCR Q2), 2023. (First Author)

[A Local-Global Estimator Based on Large Kernel CNN and Transformer for Human Pose Estimation and Running Pose Measurement.](#)

Qingtian Wu, Yongfei Wu, Yu Zhang, and Liming Zhang. *IEEE Transactions on Instrumentation and Measurement* (JCR Q1), 2022. (First Author)

[Level set guided region prototype rectification network for retinal vessel segmentation.](#)

Yifei Liu, **Qingtian Wu**, Xueyu Liu, Junyu Lu, Zhenhuan Xu, Yongfei Wu, Shu Feng, Jue Wang, Yujiu Yang. *Biomedical Signal Processing and Control* (JCR Q2), 2023.

[Real-time running detection system for UAV imagery based on optical flow and deep convolutional networks.](#)

Qingtian Wu, Yimin Zhou, Xinyu Wu, Guoyuan Liang, Yongsheng Ou, Tianfu Sun. *IET Intelligent Transport Systems* (JCR Q3), 2020. (First Author)

[The noninvasive blood pressure measurement based on facial images processing.](#)

Yimin Zhou, Haiyang Ni, Qi Zhang, **Qingtian Wu**. *IEEE Sensors Journal* (JCR Q1), 2019.

[Webcam-based, non-contact, real-time measurement for the physiological parameters of drivers.](#)

Qi Zhang[#], **Qingtian Wu**[#], Yimin Zhou, Xinyu Wu, Yongsheng Ou, Huazhang Zhou. *measurement* (JCR Q1), 2017. (Equal First Author)

PREPRINT PAPERS

[A Real-Time Multi-Task Learning System for Joint Detection of Face, Facial Landmark and Head Pose.](#)

Qingtian Wu, Xiaoming Wang, Lei Dai, Fei Richard Yu and Liming Zhang. *IEEE Internet of Things Journal*, Under Review. (First Author).

[YOLOLandmark: an End-to-End Deep Network for Real-time Face and Its Dense Facial Landmark Detection.](#)

Qingtian Wu, Hanzi Wang, Jiajian Zhang, and Liming Zhang. *IEEE Transactions on Industrial Informatics*, Under Review. (First Author).

[Driver Drowsiness Detection Based on Joint Human Face and Facial Landmark Localization with Cheap Operations.](#)

Qingtian Wu, Nannan Li, Liming Zhang and Fei Richard Yu. *IEEE Transactions on Intelligent Transportation Systems*, Under Review. (First Author).

[Contrastive Prototype Learning with Pseudo Labeling for Semi-supervised Action Recognition.](#)

Nannan Li, Kan Huang, **Qingtian Wu**, Yang Zhao and Wenmin Wang. *IEEE Transactions on Multimedia*, Under Review.

Working EXPERIENCES

Research Assistant, Biorobotics Lab, National University of Singapore Sep. 2019 - March 2020

Supervised by [Dr. Yu Haoyong](#)

Developing visual interaction system of tracking moving targets and engaging with users.

Research Assistant, Intelligent System Lab, SIAIT-CAS-CUHK

Aug. 2018 - Sep. 2019

Supervised by [Dr. Zhou Yimin](#)

Researching on UAV-based visual target detection and life searching in rescue and monitoring.

Engineer, 2012 Lab, Huawei
Software development, and NLP algorithm research

July. 2017-Aug. 2018

TEACHING EXPERIENCE

Teaching Assistant, Faculty of Science and Technology, **University of Macau**

- * Multimedia computing 2020-2021, 2021-2022
- * OOP and Data Structures 2020-2021, 2021-2022, 2022-2023
- * Discrete System Simulation 2021-2022
- * Pattern Recognition 2020-2021
- * English Language Centre - Independent Learning 2020-2021

Awards and Honors

2019年，第九届吴文俊人工智能科技进步三等奖(第四完成人)
2014年，深圳大学校级优秀毕业生
2010-2014年，国家奖学金，深圳大学学业特等奖学金，国家励志奖学金，永亨银行奖学金
2012年，全国大学生电子设计大赛优秀奖
2011年，第三届全国大学生数学竞赛(非数学类)三等奖