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. ArXiv. (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. *IEEEE 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.*

WORK EXPERIENCES

Research Assistant, Biorobotics Lab, National University of Singapore *Sep. 2019 - March 2020*
Supervised by Dr. Yu Haoyong
Develop 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
Research on UAV-based visual target detection and life searching in rescue and monitoring

Engineer, 2012 Lab, Huawei   *July. 2017- Aug. 2018*
Software development, and NLP algorithm research

INTERNSHIP

Guangming Lab, Supervised by Dr. Fei Richard Yu   *Sep. 2022 - present*
Research on human keypoint-based interaction technology

TEACH EXPERIENCES

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

RESEARCH EXPERIENCES

Academic Journal Reviewer
Served as a reviewer for several journals, including IEEE Transactions on Instrumentation Measurement (IEEE TIM), Journal of Advanced Transportation, The Visual Computer, and Scientific Reports

Academic Conference Volunteer
IJCAI2022-China, ACCV2022 and IJCAI2023

Research Project
国家自然科学基金-面上项目,"基于多载体协同跟随的多视角三维场景下人群异常事件检测方法研究",2015年6月至2016年5月,主要参与者

深圳科创委-基础研究(学科布局),"随机刺激信号的人工神经网络自学习系统",2018年7月至2019年8月,主要参与者

AWARDS

2020-2023年,澳门大学博士助学金
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