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RESEARCH INTERESTS	Machine Learning, Computer Vision		
EDUCATION	2014 - present	Master's student, Department of Electrical and Computer Engineering, Ohio State University, Columbus, Ohio, USA. GPA: 3.71/4.0	
	2010 - 2014	Bachelor of Engineering, Department of Biomedical Engineering, Tianjin University, Tianjin, China. GPA: 3.39/4.0	
RESEARCH EXPERIENCE	2015.9 - present	<p><b>Automatic American Sign Language Imitation Evaluator</b>(in progress) Research for Master's Thesis      Advisor: Dr. Aleix M. Martinez Computational Biology and Cognitive Science Lab(CBCSL), Ohio State University</p> <ul style="list-style-type: none"> <li>• Built up MATLAB + OpenCV platform.</li> <li>• Built a hand detection algorithm by combining SIFT features, skin detector, outliers elimination and keypoints clustering.</li> <li>• Accomplished hand tracking by using Kalman Filter and outliers elimination.</li> </ul>	
	2014.11 - 2015.8	<p><b>Algorithm modification based on Salient and Non-salient landmarks detection algorithm</b> Individual study      Advisor: Dr. Aleix M. Martinez CBCSL, Ohio State University</p> <ul style="list-style-type: none"> <li>• Decreased the landmarks candidate detection time from 37 sec. to 24 sec.</li> <li>• Decreased the memory usage for the training algorithm over 50%.</li> <li>• Implemented Kalman filter in the original testing algorithm to improve the accuracy of detection when testing video sequence.</li> </ul>	
	2013.12 - 2014.6	<p><b>Emotion Recognition Based on EEG Features and Situational Elicitation</b> Research for Bachelor Thesis      Advisor: Dr. Hongzhi Qi Neural Engineering and Rehabilitation Lab of Tianjin University(TUNERL), Tianjin University.</p> <ul style="list-style-type: none"> <li>• Designed a retrospect self evaluation method for video game elicitation method.</li> <li>• Conducted the elicitation experiment on 4 subjects and recording 32-channels EEG signal during experiment.</li> <li>• Implemented an algorithm to classify the self-report emotion intensity by using cumulative energy in the five EEG frequency bands and Support Vector Machine.</li> <li>• Attended poster presentation in the Bachelor Thesis competition.</li> </ul>	

2013.1 - 2013.5      **Emotion Regulation Assistance System based on EEG features and emotion recognition**  
 Group project for competition    Advisor: Dr.Hongzhi Qi  
 TUNERL, Tianjin University

- Focused on building affective image and video data set for emotion elicitation.
- Selected 45 candidate video clips for emotion elicitation experiment from hundreds of online resources.
- Designed an online self-evaluation experiment to evaluate each candidate videos(7-point Likert Scale and 5-point Self Assessment Manikins, 6 basic emotions)
- Recruited 29 subjects participated in the online evaluation experiment. Chose 16 video clips composing the affective video dataset.

AWARD	2014	Outstanding Bachelor Thesis Tianjin University, Tianjin, China
	2014	3rd Prize of Guangshubei Bachelor Thesis Competition in Beijing, Tianjin and Hebei Tianjin University, Tianjin, China
	2013	3rd Prize of the Challenge Cup undergraduate extracurricular science and technology works competition Tianjin University, Tianjin, China
	2012	Outstanding Student of Atlanta Summer Program Tianjin University, Tianjin, China
	2012	Advanced Individual for Work on Mental Health Education at Tianjin University Tianjin University, Tianjin, China
	2011	Excellent Student Leader of Tianjin University Tianjin University, Tianjin, China

MEMBERSHIP	2013.12 - present	Student Member, IEEE
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EXTRACURRICULAR ACTIVITIES	2010.9 - 2014.7	Mental Health Commissioner, Mental Health Committee of Tianjin University
	2011.7	Short term exchange to Georgia Institute of Technology via Atlanta Summer Program

REFERENCE	Dr Aleix Martinez(Prof., Director of CBCSL) Department of Electrical and Computer Engineering Ohio State University <a href="mailto:martinez.158@osu.edu">martinez.158@osu.edu</a>	Dr Hongzhi Qi(Associate Prof., TUNERL) Department of Biomedical Engineering Tianjin University <a href="mailto:qhz@tju.edu.cn">qhz@tju.edu.cn</a>
	Dr Dong Ming(Prof., Director of TUNERL) Department of Biomedical Engineering Tianjin University <a href="mailto:richardming@tju.edu.cn">richardming@tju.edu.cn</a>	