

Shuo Yang

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EDUCATION	<i>Bachelor of Engineering</i> , Opto-electronics Information Science and Engineering Zhejiang University, Hangzhou, Zhejiang, China, expected June 2018 GPA: 3.64/4
COMPUTER SKILLS	Proficient: python Skilled: C/C++, JavaScript, Linux&shell Average: SQL, HTML, Java, PHP, OpenCV, OpenGL
RESEARCH EXPERIENCE	<i>Gesture Interaction for a 3D Display Device</i> Feb 2017 to May 2017 State Key Lab of Modern Optical Instruments, Zhejiang University, China Supervisor: Haifeng Li, Professor <ul style="list-style-type: none">• Develop a gesture interaction program based on Leap Motion for the 3D display device• Create some 3D models with textures using OpenGL and GL shader Language• Write C++ program using Leap Motion SDK to control the model according to the detected gestures <i>Improving Emotion Detection by Multiple Views</i> Jul 2017 to Aug 2017 Active Robotic Sensing Lab, North Carolina State University, Raleigh, NC, US Supervisor: Edgar Lobaton, Associate Professor <ul style="list-style-type: none">• Increase the accuracy of emotion detection by 4% by combining multiple camera views from different angles• Construct a pipeline using Affdex's JavaScript SDK for emotion detection in videos and store data in webSQL• Visualize data with python and matplotlib and train a SVM model with python and sklearn• Give a poster presentation about this research at NCSU undergraduate symposium 2017.
PUBLICATION	B. Zhong, Z. Qin, S. Yang , J. Chen, N. Mudrick, M. Taub, R. Azevedo, E. Lobaton, Emotion Recognition with Facial Expressions and Physiological Signals, IEEE Symp. Series on Computational Intelligence (SSCI), 2017.
PROJECTS	<i>Develop an Information-gathering App</i> Jan 2017 <ul style="list-style-type: none">• Help students get news from different colleges in the same App.• Write a python crawler that runs on a Linux server, get recent news of different colleges and store these information in a XML file• Develop an Android app using Java that can connect to the server, parse the XML file and display them on the screen <i>Develop a mini database management system</i> May 2017 <ul style="list-style-type: none">• Course project in <i>Database Concepts</i>• Implement B+ tree using C++• Cooperate with the other two students by git
HONORS	Second prize in National Olympiad in Informatics in Provinces 2011 Social Work Scholarship, Zhejiang University 2014 Third-class prize for physics competition in Zhejiang Province 2015
SERVICE	Volunteer at West Lake scenic area Oct 2014 Volunteer at Zhejiang Science and Technology Museum Apr 2016
TEST SCORES	TOEFL: 102 (Speaking 24) Nov 2017 GRE: V154 Q167 AW3 Sep 2017
LANGUAGE	Mandarin Chinese, English