

YA-FANG SHIH

Email: yfshih.tw@gmail.com
Phone: (+886) 910 163 286
Website: yafangshih.github.io

EDUCATION	M.S. Computer Science - National Taiwan University (Overall GPA: 4.16/4.3)	2016 - 2017
	B.S. Computer Science - National Taiwan University (Last 60 GPA: 4.01/4.3)	2011 - 2015
EXPERIENCE	Software Engineer - hTC Vive VR team	2017 - present
	Research Assistant - Academia Sinica	2015 - 2017
	Teaching Assistant - Computer Science, National Taiwan University CSIE 7694 Digital Visual Effects (Spring 2017)	2017
PUBLICATION	Deep Co-occurrence Feature Learning for Visual Object Recognition <u>Ya-Fang Shih*</u> , Yang-Ming Yeh* (* indicates equal contribution), Yen-Yu Lin, Ming-Fang Weng, Yi-Chang Lu, Yung-Yu Chuang IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2017	
AWARD	Excellent Master Thesis Award Image Processing and Pattern Recognition Society	
	Outstanding Students Conference Travel Grant Foundation for the Advancement of Outstanding Scholarship	
PROJECT	Stereo Panorama (C++) website: yafangshih.github.io/stereo-pano Built a system that produces stereo panorama image pairs (for left and right eyes) from a handheld GoPro video. Implemented omnistereo method and an optical flow-based image blending method.	2016
	Outfit Color Harmony Evaluation System (C++) Applied color harmonization algorithm to develop an outfit evaluation system. The resulting system scores how harmonic the colors of people's outfit looks.	2016
	Distorted Movie Scene Image Classification (MATLAB, MatConvNet) Improved the CNN classification accuracy of movie scene photos taken by users which have heavy lightning and contrast distortion.	2015
	Image Feature Matching Android Application (C++, Java, Android NDK) Developed an application that takes photos and matches feature points instantly on mobile devices using native language and integrated it into the Java environment on Android platform.	2015
	DJ Board (C, Arduino) website: silviachyou.github.io/DJBoard Developed an interactive skateboard on Arduino platform. The resulting system receives inputs of user's body motion from multiple sensors to trigger different types of music effects.	2015
SKILL	Languages: C/C++, MATLAB, CUDA, python Tools: TensorFlow, MatConvNet, OpenCV, OpenMP, Android SDK/NDK	
REFERENCE	Yung-Yu Chuang - Professor, National Taiwan University	cyy@csie.ntu.edu.tw
	Yen-Yu Lin - Associate Research Fellow, Academia Sinica	yylin@citi.sinica.edu.tw