

Fuwen TAN

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SUMMARY	I am a Ph.D. student in the Computer Science Department of University of Virginia (U.Va.), working with Dr. Vicente Ordóñez Román. My areas of specialization are computer vision and NLP. I am especially interested in learning compositional representations of image and language, and their applications to visual recognition, retrieval, and synthesis. Before joining U.Va., I was a Research Associate at the BeingThere center of Nanyang Technological University, working on Computer Graphics and 3D Telepresence.	
EDUCATION	University of Virginia Ph.D. Program in Computer Science Advisor: Vicente Ordóñez Román	Charlottesville, United States Aug.2015 - Present
	Zhejiang University M.S.in Mathematics Advisor: Ligang Liu	Hangzhou, China Sep.2010 - Jun.2012
	Sun Yat-sen University B.S. in Mathematics	Guangzhou, China Sep.2006 - Jun.2010
RESEARCH	Text2Scene: Generating Compositional Scenes from Textual Descriptions Fuwen Tan , Song Feng, Vicente Ordonez IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2019	
	Where and Who? Automatic Semantic-Aware Person Composition Fuwen Tan , Crispin Bernier, Benjamin Cohen, Vicente Ordonez, Connelly Barnes IEEE Winter Conference on Applications of Computer Vision (WACV), 2018	
	FaceCollage: A Rapidly Deployable System for Real-time Head Reconstruction for On-The-Go 3D Telepresence Fuwen Tan , Chi-Wing Fu, Teng Deng, Jianfei Cai, Tat Jen Cham ACM Multimedia (ACM MM, full paper), 2017	
	High-Quality Kinect Depth Filtering For Real-time 3D Telepresence Mengyao Zhao, Fuwen Tan , Chi-Wing Fu, Chi-Keung Tang, Jianfei Cai, Tat Jen Cham IEEE International Conference on Multimedia and Expo (ICME), 2013	
	Field-Guided Registration for Feature-Conforming Shape Composition Hui Huang, Minglun Gong, Daniel Cohen-Or, Yaobin Ouyang, Fuwen Tan , Hao Zhang SIGGRAPH ASIA, 2012	
EXPERIENCE	Amazon A9, Palo Alto, United States <i>Applied scientist intern in Visual Search & AR team</i> Design and implement a working solution for an improved image segmentation approach for creation of AR models. Manager: Sundar Vedular; Mentor: Tony Hwang	May.2018 - Aug.2018

Honda Research Institute, Mountain View, United States May.2016 - Aug.2016
Research intern in Perception Group
Research on applications of Deep Learning to traffic participant detection.
Manager: Bernd Heisele

Nanyang Technological University, Singapore Aug.2012 - Jul.2015
Research Associate at BeingThere Centre, Institute for Media Innovation
Design and implement a low-cost, fast and realistic system for personal 3D telepresence.
Supervisor: Chi-Wing Fu

TEACHING

Teaching Assistant
CS1113 (Programming), CS2150 (Data Structure) Aug.2015 - Dec.2015
CS4457 (Computer Networks), CS4810 (Computer Graphics) Jan.2016 - May.2016
CS6501 (Computational Visual Recognition) Aug.2016 - Dec.2016

SERVICE

Reviewer
Transactions on Image Processing(2017), ICCV(2019)