

## 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 on Vision and Language. I am interested in learning compositional representations of images and text, and their applications to visual recognition, retrieval, and synthesis.	
EDUCATION	<b>University of Virginia</b> Ph.D. Program in Computer Science Advisor: Vicente Ordóñez Román	Charlottesville, United States Aug.2015 - Present
	<b>Zhejiang University</b> M.S.in Mathematics Advisor: Ligang Liu	Hangzhou, China Sep.2010 - Jun.2012
	<b>Sun Yat-sen University</b> B.S. in Mathematics	Guangzhou, China Sep.2006 - Jun.2010
RESEARCH	Curriculum Labeling: Self-paced Pseudo-Labeling for Semi-Supervised Learning Paola Cascante-Bonilla, <b>Fuwen Tan</b> , Yanjun Qi, Vicente Ordonez arXiv:2001.06001. 2020	
	Drill-down: Interactive Retrieval of Complex Scenes using Natural Language Queries <b>Fuwen Tan</b> , Paola Cascante-Bonilla, Xiaoxiao Guo, Hui Wu, Song Feng, Vicente Ordonez Conf. on Neural Information Processing Systems ( <b>NeurIPS</b> ), 2019	
	Text2Scene: Generating Compositional Scenes from Textual Descriptions <b>Fuwen Tan</b> , Song Feng, Vicente Ordonez Conf. on Computer Vision and Pattern Recognition ( <b>CVPR</b> ), 2019, <b>Oral</b> , <b>Best Paper Finalist</b>	
	Where and Who? Automatic Semantic-Aware Person Composition <b>Fuwen Tan</b> , Crispin Bernier, Benjamin Cohen, Vicente Ordonez, Connelly Barnes Winter Conference on Applications of Computer Vision ( <b>WACV</b> ), 2018	
	FaceCollage: A Rapidly Deployable System for Real-time Head Reconstruction for On-The-Go 3D Telepresence <b>Fuwen Tan</b> , Chi-Wing Fu, Teng Deng, Jianfei Cai, Tat Jen Cham ACM Multimedia ( <b>ACM MM</b> , <b>full paper</b> ), 2017	
	High-Quality Kinect Depth Filtering For Real-time 3D Telepresence Mengyao Zhao, <b>Fuwen Tan</b> , Chi-Wing Fu, Chi-Keung Tang, Jianfei Cai, Tat Jen Cham Conf. on Multimedia and Expo ( <b>ICME</b> ), 2013	
	Field-Guided Registration for Feature-Conforming Shape Composition Hui Huang, Minglun Gong, Daniel Cohen-Or, Yaobin Ouyang, <b>Fuwen Tan</b> , Hao Zhang <b>SIGGRAPH Asia</b> , 2012	

EXPERIENCE	<b>Adobe Research, College Park, United States</b> <i>Machine learning intern in Document Intelligence Labs</i> Research on structured analysis for multimodal documents. Manager: Tong Sun; Mentor: Vlad Morariu	June.2019 - Aug.2019
	<b>Amazon A9, Palo Alto, United States</b> <i>Applied scientist intern in Visual Search &amp; AR team</i> Design and implement a working solution for an improved image segmentation approach for the creation of AR models. Manager: Sundar Vedula; Mentor: Tony Hwang	May.2018 - Aug.2018
	<b>Honda Research Institute, Mountain View, United States</b> <i>Research intern in Perception Group</i> Research on applications of Deep Learning to traffic participant detection. Manager: Bernd Heisele	May.2016 - Aug.2016
	<b>Nanyang Technological University, Singapore</b> <i>Research Associate at BeingThere Centre, Institute for Media Innovation</i> Design and implement a low-cost, fast and realistic system for personal 3D telepresence. Supervisor: Chi-Wing Fu	Aug.2012 - Jul.2015
	<b>Teaching Assistant</b> <i>CS1113 (Programming), CS2150 (Data Structure)</i> <i>CS4457 (Computer Networks), CS4810 (Computer Graphics)</i> <i>CS6501 (Computational Visual Recognition)</i>	Aug.2015 - Dec.2015 Jan.2016 - May.2016 Aug.2016 - Dec.2016
SERVICE	<b>Reviewer / Program Committee</b> AAAI, ICLR, CVPR, IJCAI AAAI, CVPR, ECCV (Outstanding Reviewer), NeurIPS ICCV	2021 2020 2019
REFERENCES	<b>Vicente Ordóñez Román</b> Assistant Professor, University of Virginia ▷ vicente@virginia.edu	
	<b>Connelly Barnes</b> Senior Research Scientist, Adobe Research ▷ cbarnes@adobe.com	
	<b>Song Feng</b> Research Staff Member, IBM Research Watson ▷ sfeng@us.ibm.com	