

Vasili Ramanishka

CONTACT INFORMATION	Department of Computer Science Boston University Boston, MA	Web: cs-people.bu.edu/vram Email: vram@bu.edu
RESEARCH INTERESTS	Computer Vision, Natural Language Processing, Machine Learning My research interests are in the broad area of Artificial Intelligence with a focus on Vision and Language Understanding. This includes topics on the interpretability of deep learning models and techniques which provide insight into the model's decisions.	
EDUCATION	Boston University , Boston, MA PhD in Computer Science Research Topic: <i>Describing and Retrieving Visual Content using Natural Language</i> Advisor: Prof. Kate Saenko	2016 – 2020
	University of Massachusetts Lowell , Lowell, MA PhD in Computer Science. Transfer to Boston University Research Topic: <i>Video Captioning and Semantic Textual Similarity</i> Advisor: Prof. Kate Saenko	2015 – 2016
	Institute of Cryptography, Telecommunications and Computer Science , Moscow, Russia BS and MS in Applied Math (Cryptography)	2006 – 2011
WORK EXPERIENCE	Samsung AI Center , Mountain View, CA Research Intern Research Topic: <i>Contextualized Image Retrieval using Relative Language Feedback</i> Supervisor: Dr. Hongxia Jin	2019
	Honda Research Institute USA , Mountain View, CA Research Intern Research Topic: <i>3D Traffic Scene Understanding</i> Supervisor: Dr. Yi-Ting Chen Implementation of semi-supervised algorithms for monocular depth estimation from video.	2018
	Honda Research Institute USA , Mountain View, CA Research Intern Research Topic: <i>Event Detection using Multisensor Fusion</i> Supervisors: Dr. Yi-Ting Chen, Dr. Teruhisa Misu Developed algorithms for understanding driver behavior based on car sensors including the front-facing camera using event detection as a proxy: https://usa.honda-ri.com/hdd	2017
	DENIVIP Group , Moscow, Russia Software Engineer Supervisor: Denis Bulichenko Lead programmer of the Load Balancing System for video content delivery which was deployed by multiple online streaming services including “now.ru”. Designed and implemented fault-tolerant distributed services in C++ for user-generated content storage and server-side editing for “Together Video Camera”. Implemented a scalable transcoding/editing system for audiovisual content.	2012-2014

PUBLICATIONS	[1] H. Xu, B. Li, V. Ramanishka, L. Sigal, K. Saenko. Joint Event Detection and Description in Continuous Video Streams. <i>WACV 2019</i>	
	[2] V. Ramanishka, Y. Chen, T. Misu, K. Saenko. Toward Driving Scene Understanding: A Dataset for Learning Driver Behavior and Causal Reasoning. <i>CVPR 2018</i>	
	[3] V. Ramanishka, A. Das, J. Zhang, K. Saenko. Top-down Visual Saliency Guided by Captions. <i>CVPR 2017</i>	
	[4] V. Ramanishka, A. Das, K. Saenko, M. Rohrbach, S. Venugopalan, L. A. Hendricks, D. H. Park. Multimodal Video Description. <i>ACM Multimedia 2016</i>	
	[5] P. Potash, W. Boag, A. Romanov, V. Ramanishka, A. Rumshisky. SimiHawk at SemEval-2016 Task 1: A Deep Ensemble System for Semantic Textual Similarity. <i>Workshop on Semantic Evaluation, ACL 2016</i>	
	[6] H. Xu, S. Venugopalan, V. Ramanishka, M. Rohrbach, K. Saenko. A Multi-scale Multiple Instance Video Description Network. <i>Workshop on Closing the Loop between Vision and Language, ICCV 2015</i>	
PROFESSIONAL ACTIVITIES	Reviewer for TIP, TNNLS, CVPR, ECCV, NIPS, ICME	2016-2018
	Grant Recipient of AWS Cloud Credits for Research	2018
	Invited speaker at the New England Computer Vision Workshop, Harvard University	2018
	Lecture series "Introduction to Deep Learning" at Andersen Lab	2018
	Invited speaker at University of California Berkeley	2018
	Poster presentation at Amazon Graduate Symposium	2017
	Invited speaker at Skoltech, Moscow	2016
	Spotlight talk at ACM Multimedia, Amsterdam	2016
	Mentor for David Donahue (UMass Lowell), Qili Zeng (Boston University)	2016-2018
	Deep learning hardware enthusiast in IVC group at Boston University	2016-2018
RELEVANT COURSEWORK	Computer Vision, Machine Learning, Natural Language Processing, Computer Graphics, Operating Systems, Algorithms, Information Theory, Optimization Methods, Topics in Cognitive and Neural Systems: Visual Intelligence and Learning	
TECHNICAL SKILLS	TensorFlow, PyTorch, Python, C++, OpenCV, Javascript, sklearn	