

Vasili Ramanishka

Curriculum Vitae

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Education

- 2016–present **PhD student, Computer Science, Boston University.**
- 2015–2016 **PhD student, Computer Science, The University of Massachusetts Lowell.**
Transfer to BU, Boston
- 2006–2011 **BS and MS, Applied Mathematics, The Institute of Cryptography, Telecommunications and Computer Science, Moscow.**
Applied Cryptography
- 2005–2006 **BS, Computer Science, The Belarusian State University, Minsk.**
Transfer to ICTCS, Moscow
- 2003–2005 **Honors Diploma, The Lyceum of Belarusian State University, Minsk.**
Mathematics

Experience

- 2016–present **Research Assistant, BOSTON UNIVERSITY.**
Top-down visual saliency and models of neural attention
Publications:
 - Vasili Ramanishka, Abir Das, Jianming Zhang, Kate Saenko; **Top-down Visual Saliency Guided by Captions**; arXiv:1612.07360
- 2015–2016 **Research Assistant, UNIVERSITY OF MASSACHUSETTS LOWELL.**
Description of videos and images using natural language, models of attention in deep learning, semantic textual similarity, recurrent neural networks
Publications:
 - Vasili Ramanishka, Abir Das, Kate Saenko, Marcus Rohrbach, Subhashini Venugopalan, Lisa Anne Hendricks, Dong Huk Park; **Multimodal Video Description**; ACM Multimedia 2016 (ranked 3rd out of 21 teams in Video Description track of the Grand Challenge)
 - Peter Potash, William Boag, Alexey Romanov, Vasili Ramanishka, Anna Rumshisky; **SimiHawk at SemEval-2016 Task 1: A Deep Ensemble System for Semantic Textual Similarity**; 10th International Workshop on Semantic Evaluation 2016, ACL (ranked 6th out of 40 teams)
 - Huijuan Xu, Subhashini Venugopalan, Vasili Ramanishka, Marcus Rohrbach, Kate Saenko; **A Multi-scale Multiple Instance Video Description Network**; ICCV 2015 Workshop on Closing the Loop between Vision and Language, 2015
- 2012–2014 **Software Engineer, DENIVIP GROUP, Moscow.**
Lead Developer of the Load Balancing System for video content delivery, design and implementation of fault-tolerant services in high-loaded systems, implementation of scalable transcoding/editing system for audiovisual content
Selected projects: now.ru, ntvplus.tv, 2gzs.com, routes.tips
- 2011–2012 **Research Associate, ARMED FORCES OF THE REPUBLIC OF BELARUS, Minsk.**
Parallel Computing
- 2011–2012 **Junior System Administrator, DENIVIP MEDIA, Moscow.**
Configuring and managing large groups of Linux servers for video content delivery networks

Relevant Coursework

Computer Vision, Machine Learning, Natural Language Processing, Computer Graphics, Operating Systems, Algorithms, Information Theory, Optimization Methods

Technical Skills

Programming Python, C, C++, Javascript

Tools TensorFlow, Caffe, sklearn, OpenCV, NLTK