

Kirill Gavrilyuk

Curriculum Vitae

University of Amsterdam
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Born in 1991, 2 March

Education

- 2015 – 2019 Ph.D. student
(current) **QUVA Lab, University of Amsterdam**, Amsterdam, The Netherlands
- 2008 – 2013 Specialist degree in APPLIED MATHEMATICS AND INFORMATICS
Faculty of Computational Mathematics and Cybernetics, GPA is 4.9 out of 5.0,
graduation with honors
Lomonosov Moscow State University, Moscow, Russia
- 2011 – 2013 Student in COMPUTER SCIENCE
Yandex School of Data Analysis, Moscow, Russia
- 2001 – 2008 Mathematics high-school class, graduation with honors
Gymnasium 1514, Moscow, Russia

Experience

- Aug. 2015 - Nov. 2015 **Computer Vision Researcher**, *VisionLabs*, Moscow, Russia.
- Jan. 2013 - Aug. 2015 **Machine Learning Engineer**, *Samsung Research and Development Institute*, Moscow, Russia.
- Jan. 2012 - July 2012 **Laboratory Assistant**, *Bioclinicum*, Moscow, Russia.

Teaching & Supervision

Teaching

- 2017 **Teaching assistant**, *Information Visualization Course*, Bachelor's program in Information Science, University of Amsterdam.
- 2016, 2017 **Teaching assistant**, *Deep Learning Course*, Master's program in Artificial Intelligence, University of Amsterdam.

Supervision

- 2016 **Joop Pascha**, *BSc thesis*, co-supervisor, Predicting image appreciation with convolutional neural networks.
- 2016 **Banno Postma**, *BSc thesis*, co-supervisor, Game level generation with recurrent neural networks.

Academic Background

- Math** Mathematical Analysis, Linear Algebra, Sampling Analysis and Probability Theory, Graph Theory, Game Theory, Information Theory, Statistical Theory

Computer Science Algorithms and Data Structures, Parallel Computing and Distributed Computing, Machine Learning, Computer Vision, Graphical Models, Deep Learning

Followed Courses and Training

- 2017 **Machine Learning Summer School**, *Tübingen*, Germany.
- 2017 **Computer Vision by Learning**, *Prof. dr. Cees Snoek*, University of Amsterdam, ASCI Course.
- 2016 **Visualization**, *Prof. dr. ir. Jack van Wijk*, TU Eindhoven, ASCI Course.
- 2016 **Advanced Pattern Recognition**, *Prof. dr. Marco Loog*, TU Delft, ASCI Course.
- 2014, 2016 **International Computer Vision Summer School**, *Sicily*, Italy.
- 2012 **Introduction to text processing**, *Dr. Denis Turdakov*, Lomonosov Moscow State University.
- 2011 **Bayesian Methods of Machine Learning**, *Dr. Dmitry Vertov*, Lomonosov Moscow State University.

Academic Services

Organization

- 2016 **Volunteer**, *European Conference on Computer Vision*, Amsterdam, The Netherlands.

Reviewer

- 2016 **ACM MM**.

Publications

- 1 K. Gavriluyuk, A. Ghodrati, Z. Li, C. G. M. Snoek, "Actor and Action Video Segmentation from a Sentence," in Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition, Salt Lake City, USA, 2018. **Oral presentation**
- 2 Z. Li, K. Gavriluyuk, E. Gavves, M. Jain, C. G. M. Snoek, "VideoLSTM Convolves, Attends and Flows for Action Recognition," *Computer Vision and Image Understanding*, vol. 166, pp. 41-50, 2018.
- 3 A. Migukin, D. Korobchenko, M. Sirotenko, K. Gavriluyuk, S. Choi, P. Gulaka, M. Rychagov. DESIRE: Efficient MRI reconstruction with Split Bregman initialization and sparse regularization based on pre-learned dictionary. In Society Magnetic Resonance Angiography (SMRA) Conference, 2015.
- 4 E. Riabenko, M. Kogadeeva, K. Gavriluyuk, E. Sokolov, I. Shanin, A. Tonevitsky. Comparing Affymetrix Human Gene 1.0 ST preprocessing methods on tissue mixture data. In International Conference on Bioinformatics and Biomedical Engineering (iCBBE), 2012.

Patents

- 1 A. Migukin, D. Korobchenko, M. Sirotenko, K. Gavriluyuk, P. Gulaka, S. Choi, M. Rychagov, Y. L. Choi. Magnetic Resonance Imaging Device and Method for Generating Magnetic Resonance Image. WO2015167307, 2015.