Vitaly Kurin *March 27, 1990*

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Professional Experience

Latent Logic (former Morpheus Labs) — OXFORD, UNITED KINGDOM
Junior Researcher — *September 2017 – August 2018*
Working on human behaviour modelling using Reinforcement Learning and Learning from Demonstration techniques. Development of the in-house learning library.

Microsoft Research — CAMBRIDGE, UNITED KINGDOM
Visiting student — *Mar 2017 – May 2017*
Working on Reinforcement learning part of my master thesis at Machine Intelligence and Perception Group with Sebastian Nowozin and Katja Hofmann. The project resulted in [1].

RWTH Computer Vision Group — AACHEN, GERMANY
Master student — *Jan 2017 – Sep 2017*
Human behaviour modelling in computer games domain. Co-supervision with Bastian Leibe and Sebastian Nowozin from Microsoft Research. http://atarigrandchallenge.com/

Student assistant — *Oct 2015 – Dec 2016*
Implementing the ROS node for head orientation prediction. Working on person re-identification project [2]. https://github.com/VisualComputingInstitute/BiternionNets-ROS

Terminal — MOSCOW, RUSSIA
Java EE Developer/Project Manager — *Nov 2013 – Aug 2015*
Leading a team of four people developing a warehouse management system from scratch (30 users).

CDC.ru — MOSCOW, RUSSIA
Android developer — *May 2013 – Nov 2013*
Member of a development team of a mobile app for a kind of ERP system. Completely refactored reports module and made a large amount of bug fixes.

Education

University of Oxford — OXFORD, UNITED KINGDOM
CDT/DPhil in Autonomous Intelligent Machines and Systems — *2018 – 2023*
Working on Reinforcement Learning under the supervision of Dr. Shimon Whiteson.

RWTH Aachen University — BONN-AACHEN, GERMANY
Master degree in Media Informatics (top 5% of the class) — *2015 – 2017*
Focusing on Machine Learning in Computer Vision, thesis on Reinforcement Learning.

Moscow State University — MOSCOW, RUSSIA
Bachelor of Science, faculty of Computational Mathematics and Cybernetics — *2012 – 2015*
As a thesis created the software package that is currently used at the Bioinformatics lab at the University.

Moscow State Institute of International Relations — MOSCOW, RUSSIA
Bachelor of Art, faculty of Economics (IT in international Business) — *2008 – 2012*
Focusing on Econometrics. Graduated with distinction.

Skills

Technical expertise: Python, Java SE/EE, Android development, GNU/Linux (10 years of experience). Worked with Theano, Tensorflow and Chainer. Use Jupyter notebooks for visualisation. Experience with working via remote computing services as AWS or Azure.

Natural languages: Russian *(mother tongue)*, English *(full professional proficiency)*, German *(elementary proficiency)*, French *(elementary proficiency)* and Mandarin Chinese *(beginner)*.

Publications

[1] *The Atari Grand Challenge Dataset*, **Vitaly Kurin**, Sebastian Nowozin, Katja Hofmann, Lucas Beyer, and Bastian Leibe, arXiv preprint arXiv:1705.10998, 2017.

[2] *Towards a Principled Integration of Multi-Camera Re-Identification and Tracking through Optimal Bayes Filters*, Lucas Beyer, Stefan Breuers, **Vitaly Kurin**, Bastian Leibe, CVPR 2017 ReID and MTMCT workshop.

[3] *Learning from Demonstration in the Wild*, Feryal Behbahani, Kyriacos Shiarlis, Xi Chen, **Vitaly Kurin**, Sudhanshu Kasewa, Ciprian Stirbu, JoÃčo Gomes, Supratik Paul, Frans A. Oliehoek, JoÃčo Messias, Shimon Whiteson, arXiv preprint arXiv:1811.03516, 2018.

[4] *CAML: Fast Context Adaptation via Meta-Learning*, Zintgraf, Luisa M., Kyriacos Shiarlis, **Vitaly Kurin**, Katja Hofmann, and Shimon Whitesonm arXiv preprint arXiv:1810.03642, 2018.

Talks

1. "Learning from Demonstration" at Databeers Branded Edition with BBVA Data & Analytics, September 3rd 2018.

2. "Graph Networks", at the Centre for Visual Information Technology (CVIT) at International Institute of Information Technology, Hyderabad, India, March 19th 2019.

Teaching

1. Machine Learning, University of Oxford, Michaelmas 2018, Marker.

2. Artificial Intelligence, University of Oxford, Hilary 2019, Marker.