

STANISLAV VALERYEVICH BELYAEV

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Master (1th year)

September 2018 - Present

National Research University Higher School of Economics

Machine Learning and Data Analysis

Bachelor

September 2014 - June 2018

Saint-Petersburg National Research Academic University

MIT, Machine Learning and Data Analysis

Summer School on Bayesian Methods in Deep Learning

August 2017, August 2018

Higher School of Economics, Bayesian Methods Research Group

<http://deepbayes.ru/>

SKILLS

PL

Python, R, Java, Kotlin, C/C++, Scala, Ocaml, Haskell, Matlab

Technologies

git, bash, sql, gdb, docker, vagrant, jupyter, pytorch, tensorflow, keras

Interests

Data Science, Reinforcement Learning, Deep Learning, Generative Models, Bayesian DL

Read papers list

<https://github.com/stasbel/papers>

Languages

Russian (Native), English (Advanced)

EXPERIENCE

Neuromation

March 2018 - Present

Deep Learning Researcher and Software Engineer, implementing SOTA DL models for various problems

Chief: Nikolenko S. | <https://github.com/neuromation>

Devexperts

November 2017 - February 2018

Data Analyst (Stock Market Indices), writing complex financial data processing pipelines

Chief: Antonov A.

Stepik (JetBrains Internship)

June 2017 - September 2017

Developing DL-based system for code submissions clustering, finding similarities and smart tips for learning

Chief: Vyakhi N. | <https://github.com/StepicOrg/submissions-clustering>

PAPERS

- Belyaev et. al. Unsupervised Domain Adaptation: a Comparative Study and Source Entropy Maximization for Reverse Gradient Models. Pre-print (submitted to conference), 2018.
- Molecular Sets (MOSES): A benchmarking platform for molecular generation models. Pre-print, 2018.
<https://arxiv.org/abs/1811.12823>

SELECTED PROJECTS

Controlled text generation with attention mechanism

January 2018 - June 2018

Comparison and extension of SOTA generative models for discrete data

Bachelor Thesis, Supervisor: Nikolenko S. | <https://github.com/stasbel/text-gen>

Searching with prior information

September 2017 - December 2017

Information Retrieval project related to impact of prior knowledge

Course project, Supervisor: Markov I. | <https://github.com/stasbel/articlix>

Program Synthesis

September 2016 - May 2017

Automatic code patch generation using methods of DL

JetBrains Research, Supervisor: Shpilman A. | <https://github.com/StasBel/program-synthesis>

PUBLIC TALKS

Bayesian Sketch Learning	May 2017	Bachelor thesis presentation	March 2018
Stepik Task	June 2017	Toward controlled text generation	April 2018
Stepik Result	September 2017	SDVAE for structured data	May 2018
Information Retrieval Project	December 2017	Deep Image Prior	October 2018

EVENTS

EPAM DS Hackaton (1st place)	December 2017	AiHack Hackaton (1st place)	March 2018
AlphaBank Hackaton (1st place)	December 2017	MunHack Hackaton (1st place)	April 2018

SELF-EDUCATION

Introduction to ML, Linux, Calculus, Elements of operating systems, Neural Networks, cs231n, cs224n, YDAS & CSCenter (Irregular student 17-Present), Deep Learning, fastai, Advanced Python books