STANISLAV BELIAEV

Machine Learning Engineer/Researcher

@ stasbelyaev96@gmail.com

4 +1 (669) 288-1023

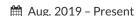
Mountain View, CA

in linkedin.com/in/stasbel

github.com/stasbel

RELEVANT EXPERIENCE

Software Engineer Intern Google



Mountain View, CA



- Working as part of the Google Accelerated Science (GAS) team in Google Research.
- Exploring new approaches for Semi-Supervised Classification and Representation Learning tasks run on the internal dataset of biological samples of Malaria disease.

Deep Learning Research Intern **Nvidia**



- Working as part of the Deep Learning Applications team.
- Developed high-level Deep Learning framework, built on top of PyTorch with seamless multi-GPU support, mixed precision mode and whole bunch of other features.
- Developed and implemented a novel model for Speech Recognition, which incorporates the usage of prior knowledge for speeding-up train time and boosting accuracy (see Paper 1).

Machine Learning Engineer

Neuromation



🛗 Mar. 2018 – Feb. 2019 👂 Saint-Petersburg, RU

- Contributed major part in developing a framework for **Domain Adaptation** task and proposed new extensions to existing methods, resulting in a published paper (see Paper 2).
- Took part in various research and product-oriented projects, including: Drug Discovery (with Insilico, see Paper 3), Domain Adaptation, Face Recognition and Object **Detection** of garbage for pollution reducing.

Software Engineer Intern

Jet Brains

₩ Jun. 2017 - Sep. 2017

♀ Saint-Petersburg, RU

• Developed internal system for source code submissions clustering, finding similarities and smart tips for learning process, based on Representation Learning for trees.

PAPERS

- 1. < Paper on Speech Recognition task as a result of Nvidia internship>. Preprint, 2019.
- 2. Beliaev et. al. Unsupervised Domain Adaptation: a Comparative Study and Source Entropy Maximization for Reverse Gradient Models. Pre-print,
- 3. Molecular Sets (MOSES): A benchmarking platform for molecular generation models. Published, 2018.

SKILLS

PLs Python, C/C++, Bash, Java, Kotlin, Scala, R, Scala Git, Linux, SQL, GDB, Docker, PyTorch, Tensorflow, Spark **Technologies** Computer Vision, NLP, Generative Models, Big Data Interests Papers notes https://github.com/stasbel/papers Russian (Native), English (Advanced) Languages

EDUCATION

Master of Machine Learning and Data Analysis

National Research University Higher **School of Economics**

m Sep. 2018 - Present

Bachelor of Computer Science

Saint-Petersburg National Research Academic University

M Sep. 2014 - Jun. 2018

Irregular Student

/andex

Yandex School of Data Science 🛗 Sep. 2018 - Present

Attender

p(B|A)yesgroup.ru

Summer School on Bayesian Methods in Deep Learning by HSE's Research Group

m Aug. 2017, Aug. 2018

NOTABLE PROJECTS

Molecular Sets (MOSES): A benchmarking platform for molecular generation models

- https://github.com/molecularsets/moses, 200+ stars, 40+ forks
- Implemented several popular molecular generation models, along with full train/test pipeline and overall project structure

Gadget

- https://github.com/stasbel/gadget, PyPipackage for Python3.5+
- Tool for configs parsing with getters on steroids and nice interface for readability

Searching with prior information

- https://github.com/stasbel/articlix
- Information Retrieval project related to studying the impact of prior knowledge
- Final Report. Supervised by Markov I..

EVENTS

Hackathons won:

EPAM DS Hackaton AlphaBank Hackaton AiHack Hackaton MunHack Hackaton

TALKS

Presentations given:

Stepik Task Stepik Result IR Project **Bachelor Thesis**

Text generation SDVAE for structures Deep Image Prior **DNN** with Box Convs