











Taya Penskaya

-  May 23, 2000
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Languages

-  Russian
-  English



Working Experience

- 10.2020 – now **Machine Learning Intern** JetBrains
Developing evaluation metrics for retrosynthetic analysis.
Researching scientific papers and reproducing solutions.
`python` `pytorch` `tensorflow`
- 02.2019 – 04.2019 **iOS Developer Intern** Webim
Developing messenger.
1 month









Education

Study

- 2017 – now **Bachelor Studies** ITMO University
Applied Mathematics and Computer Science
Bachelor's Thesis ITMO ML LAB
Detailed segmentation of a human image and generation of a new image.
Researching approaches for detailed image segmentation task.
Reproducing and evaluating pipelines, collecting data.
Generating new images using GANs.
Term paper ITMO ML LAB
STatistical Inference Relief (STIR) feature selection. The algorithm from article was implemented.
- 2014 – 2017 **Secondary education** Physics and Mathematics Lyceum No. 239
Presidential Physics and Mathematics Lyceum.

Projects

- 2021 **Text2Pose GAN** Pytorch
GAN for generation body keypoints by text
- 2020 **Harser** Haskell
Pretty-printer and interpreter for C++
- 2020 **ML labs** Python
Labs from Machine learning course
- 2020 **MO labs** Python
Labs from Optimization Methods course
- 2020 **Generator for translators** Java
HWs from Translation Methods course

	Python	● ● ● ●
	▸ pytorch	
	▸ scikit-learn, matplotlib	
	▸ nltk, gensim	
	▸ jupyter notebook	
	Machine Learning	● ● ● ●
	▸ supervised learning	
	▸ clustering	
	▸ data visualization	
	▸ EDA	
	Deep Learning	● ● ● ●
	▸ GAN	
	▸ CNN	
	DBMS	● ● ● ●
	▸ PostgreSQL	
	▸ MySQL	
	Web Development	● ● ● ●
	▸ HTML, CSS, JS	
	▸ React, express	
	Haskell	● ● ● ●
	Java	● ● ● ●
	C++	● ● ● ●

Education

Attended courses

2020	Machine learning Introduction to machine learning algorithms	ITMO ML Lab
2020	DBMS MySQL, PostgreSQL	ITMO
2020	Functional programming Introduction to Haskell	Serokell
2020	Frontend JS, React	Yandex
2019	Translation methods Theory about parsers	ITMO
2019	Algorithms and data structures Basics	ITMO
2019	Math logic Basics	ITMO
2019	Math analysis Basics	ITMO
2018	Linear algebra Basics	ITMO

Online courses

2021 – now	GANs Build Basic Generative Adversarial Networks (GANs)	DeepLearning.AI
2021	Supervised Learning Supervised learning models: linear models, decision trees, models composition	MIPT
2019	Mathematics and Python Mathematics and python libraries applied in data analysis	MIPT
2019	Haskell course Main concepts of Haskell	Computer Science Center
2019	Java course Main concepts of Java	Computer Science Center
2019	C++ course Main concepts of C++	Computer Science Center

Offline courses

2021	Forum on Mathematics and AI 5-day intensive forum filled with lectures on sota AI researches	MIPT
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Hackathons

2021	MIPT Forum Hackaton Classifying quiz questions if they written by professionals or not	Moscow
2020	TrudHack 2 CV parser	Saint Petersburg
2019	VkHackathon News recommender system	Saint Petersburg
2019	Tender Hack.Spb Search algorithm	Saint Petersburg
2019	Second place PhotoLab PhotoHack Program that help users to express themselves in chats	Veliky Novgorod