

Sergey Chervontsev

FOURTH YEAR UNDERGRADUATE

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Education

MIPT (Moscow Institute of Physics and Technology)

Moscow, Russia

B.S. IN APPLIED MATHEMATICS AND PHYSICS, DEPARTMENT OF INNOVATION AND HIGH TECHNOLOGY, DISCRETE MATHEMATICS

Sept. 2015 – Present

- Mathematics: calculus, linear algebra, functional analysis, differential equations, complex analysis
- CS: algorithms and data structures, discrete math, optimization methods
- Other: stochastic processes, statistics, probability theory, machine & deep learning
- GPA: 4.29/5

Skills

Programming Python, C/C++, LaTeX

Python Libraries PyTorch, Keras, Tensorflow, Pandas, Peewee

Books & Courses Deep Learning Book, Stanford CS224n, CS231n

Relevant Background

Science Map

Moscow, Russia

DATA SCIENTIST

Febr. 2018 - Dec. 2018

- Company's mission: visualize large sets of articles to boost papers exploration
- Tasks: Prediction of semantic connections between papers, extraction of keywords and themes, maintaining and updating articles database

Yandex Research

Moscow, Russia

INTERN

Dec. 2018 - Present

- Research areas: combining Supervised and Metric Learning for improving Semi-Supervised and Active Learning; utilizing attention mechanisms for interpretable and controllable classification/generation

MIPT Deep Learning School

Moscow, Russia

TEACHING ASSISTANT

March 2018 - Dec. 2018

- Created and taught mini-course on Adversarial Attacks in Computer Vision
- Videos of course can be found here: <https://www.youtube.com/channel/UCFTNoZYjkg-3LZTHrHfV1nQ/videos>

Scientific texts

- A Beginner's Guide into Neural Speech Synthesis (<https://janrocketman.github.io/assets/NSS.pdf>)
- Deep Metric Learning and Image Classification with Nearest Neighbour Gaussian Kernels (Article Review) (https://janrocketman.github.io/assets/DML_Gaussian.pdf)

Honors & Awards

2017 **2nd Place**, mABBYlity team hackathon, application to recognize harmful additives based on the photo of ingredients

Dolgoprudny,
Russia