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://www.overleaf.com/read/mwzhjspxwpth`)
- Deep Metric Learning and Image Classification with Nearest Neighbour Gaussian Kernels (Article Review) (`https://www.overleaf.com/read/xqwxzgztscwm`)

Honors & Awards

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