



Alexandr Savich

Male, 22 years, born on 22nd December 1999

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Kaggle: <https://www.kaggle.com/alexandrsavich>

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Education

Student

2018 - 2024

Lomonosov Moscow State University

Faculty of Mechanics and Mathematics, Department of Probability Theory

4th year of specialization, GPA = 5.0/5

Internships, schools and courses

VK Group (Mar 2022 - 2023)

MIPT (Oct. – Dec. 2021)

Stanford

Avito (2021 - 2022)

SAP (July 2021)

Shift+Enter (June 2021)

- TechnoSphere (a school, organized by VK Group, dedicated to machine learning education as well as essential programming skills on Python, Go, C++)
- Deep Learning School, MIPT
- CS230 Deep Learning, CS229 Machine Learning by Andrew Ng
- Avito Analytics Academy (Currently attending)
- SAP Cloud Academy
- Data Science (McKinsey, Evraz, Procter&Gamble)

Projects

Neural networks

- Convolutional NN for image colorization, MSE on validation dataset 0.027 (February 2022)
- Generative Adversarial Network for Flickr Faces dataset (January 2022);
- Vanilla Autoencoders, VAE Autoencoders (December 2021);
- Comparison of the SegNet and UNet neural networks on a segmentation task as well as different loss functions (November 2021);
- Convolutional NN based on transfer learning for Springfield competition, score = 0.978; (November 2021)
- Convolutional NN for classification of the Mnist dataset, accuracy = 0.984 (October 2021);
- Custom realization of different loss functions and back- and forward propagation;
- Several other networks

ML

- Created a model using Catboost, model's score on Kaggle 0.85511 (9th place, October 2021);
- Classification of the reviews using Word2Vec, test score = 0.864; (May 2021)
- Created a MCMC based model enabling the calculation of the amount of matrixes of a specific type; (2020)
- Custom realizations of standard regressors and classifiers;
- Several other projects

Key skills

Languages

Russian — native

English — C1

Skills

Pytorch, Tensorflow, Python (NumPy, Pandas, Matplotlib, SciPy, Scikit-learn, Catboost), SQL, MS Office, Google Colaboratory, C++, Profound understanding of statistical

Competitions

University competitions	<ul style="list-style-type: none"> ▪ Partial equations' Olympiad; (2021) ▪ Differential equations Olympiad; (2020) ▪ Raised State Academic Scholarship (2020 - 2021)
National Olympiads (2017-2018)	<ul style="list-style-type: none"> ▪ The final stage of the National Social Sciences Olympiad (Winner); ▪ The final stage of the National Math Olympiad (Prize –winner); ▪ The final stage of the National Economics Olympiad (Prize –winner)

Personal Qualities and Field of Interests

Personal Qualities	Creativity, mindfulness, desire to learn and explore
Field of Interests	Machine learning, deep learning, artificial intelligence, stochastic processes, mathematical statistics

Extracurricular activities

- Conducting and checking mathematical olympiads (Lomonosov, Moscow Mathematical Olympiad);
- Kaggle competitions, Voluntary qualification exam (Data scientist) (39% above average);
- Coursework “Limit theorems for extremes of dependent random variables ”

Conferences

2020	International workshop in Probability Theory and Mathematical Statistics, Kiev 13th European Summer School in Financial Mathematics in Vienna
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