Dmitriy Yaremus

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EXECUTIVE SUMMARY

I'm 3rd year MIPT student, interested in Data Science, Machine Leatning and Deep Learning.

EDUCATION

- **Moscow Institute of Physics and Technology** — **2019 - to date** GPA: 8.1/10 (4.7/5)
Phystech School of Applied Mathematics and Computer Science
Department of Image Recognition and Text Processing of ABBYY

- **Specialized Educational Scientific Center of Novosibirsk State University** — **2017-2019** GPA: 4.9/5

PROJECTS

- **Optimization of algorithmic trading strategy**
Optimization of the moving average strategy dependent on 4 parameters: Short m.a., Long m.a., Take Profit and StopLoss by various methods (genetic algorithm, random walks, Monte Carlo). Also in this project I use GRU-network for forecasting stock prices.

- **Web-app for captuning images**
C# Web application with SwaggerUI and RabbitMQ to captuning any images. The model consists of Inception_v3 + Embedding + LSTM + Attention using PyTorch. Experiments you can see on colab, I reached 0.17 BLUE-score.

- **App for order coffee by the specified time**
Javascript application based on VK-mini-apps for ordering food by a certain time.

SKILLS

- **Languages:** Russian native, English B1 (Intermediate)

- **Programming:** Python | C/C++ | JavaScript | C#

- **Frameworks & Tools:**
  - **Python:** NumPy | MatplotLib | PyTorch | TorchVision | TorchText | Pandas | Scikit-Learn | XGB | CatBoost | Jupiter
  - **Other:** Linux | Git | Latex | SQL | MPI

- **Math/CS:**
  - Mathematical analysis, Linear algebra, Optimization, Probability theory, Stochastic processes, Functional analysis
  - Algorithms and data structures, Databases, Discrete optimization, Operational Systems

- **ML/DL:**
  - Classic ML: LinReg, LogReg, Random forest SVM, Boosting
  - Computer Vision: CNN, Embeddings, Segmentation, Generation
  - NLP: RNN, Attention, Transformers

COURSES

Deep Learning School, 1 semester

MIPT Machine Learning Course

Supervised Learning, Coursera

Mathematics and Python for data analysis, Coursera

Finding a structure in the data, Coursera

C++ Development Basics: White Belt, Coursera

JavaScript, Part 1: Basics and features, Coursera