Dmitriy Yaremus

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EXECUTIVE SUMMARY

I'm 4th year MIPT student, interested in Data Science, Machine Leatning and Deep Learning.

EDUCATION

- **Moscow Institute of Physics and Technology** — **2019 - to date**
  Phystech School of Applied Mathematics and Computer Science — GPA: 8.1/10 (4.7/5)
  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 captioning images**
  C# Web application with SwaggerUI and RabbitMQ to captioning any images. The model consists of Inception_v3 + Embedding + LSTM + Attention using PyTorch. Experiments you can see on colab, project is on github. I reached 0.17 BLEU-score.
- **App for order coffee by the specified time**
  Javascript application based on VK-mini-apps for ordering food by a certain time. Also I designed and created a database in SQL, wrote the functions of application interaction with the database

SKILLS

- **Languages:** Russian native, English B1 (Intermediate)
- **Programming:** Python | C/C++ | JavaScript | C#
- **Frameworks & Tools:**
  - **Python:** NumPy | MatplotLib | PyTorch | TorchVision | TorchText | Torch-lightning | Pandas | Scikit-Learn | XGB | CatBoost | Jupyter
  - **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, AE, VAE, image 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