ANDREY PODKIDYSHEV

Email : paaaidyshev.as@phystech.edu tg: KusokaaPT

Mobile : +7 925 0003843

Skills

- **Development**: Python, Bash, Git, C++, Docker, Jira/YouTrack, Flask and OpenAPI, React(base), Spark(base)
- **ML**: Pandas, Scipy, Numpy, Matplotlib, Sklearn, PyTorch, Catboost, XGBoost, Prophet, Statsmodels
- **Analytics**: SQL, A/B testing, Hypothesis testing, Statsmodels, Plotly
- **DL**: Pytorch, Pytorch-forecasting, DL in NLP, DL in CV (base), Practical RL (base)
- **Knowledge**: Algorithms, Data Structures, Machine Learning, Deep Learning in CV/NLP fundamental, Concurrent Computing, Distributed Systems, LaTeX, Natural Language Processing

Experience

x5 Retail Group — Moscow, Russia

Python | Machine Learning | Data Engineering | SQL | Agile | Git

- *Data Analyst* — *Feb 2021 - Present*

  Created new features for exist scoring model that improves AUC metric. Now, I am in process of developing new scoring model, creating features for improving scoring metrics and creating full pipeline.

BostonGene — Moscow, Russia

Python | React | Git | Flask | SQL Alchemy | UML | Named Entity Recognition

- *Developer, 'Named entity recognition service'* — *Jun 2020 - Feb 2021*

  Developed service that allows a user to manually markup abstracts of oncology articles with the opportunity to use an auto-recognition NER system. I built a full-stack web site in React with Flask and SQLAlchemy.

Moscow Institute of Physics and Technology — Moscow, Russia

Python | Applied Math Statistics

- *Undergraduate Teaching Assistant, "Applied Mathematical Statistics" course* — *Sep 2020 - Dec 2020*

  Developed assignments for students in Jupyter Notebook format. The tasks were about: point estimation, confidence interval, bootstrap method, properties of statistical estimates, methods for finding estimates, testing statistical hypotheses, linear regression.

Tinkoff Bank — Moscow, Russia

Python | SQL | Data analyses tools | Basic Machine Learning | Git | Tableau

- *Analyst Intern* — *Jun 2019 - Sep 2019*

  Built a robust machine learning model to predict next month's credit card utilization. Achieved better quality using additional models such as KMeans for clustering. I resorted to using Tableau to fast and easy reports for my colleagues.

Projects

- **Time series forecasting library [Bachelor thesis]** — Tinkoff bank, Moscow, Russia — *Jun. 2020 - Present*

  Python | Machine Learning | Deep Learning | Pytorch-forecasting | GitLab CI/CD | Git | Agile

  Developed an AutoML library for time series forecasting. It has an ability to work with the external feature(like weather or dollar exchange rate). Created own architrave which makes it easy to add new models. Today it includes a lot of models such as Prophet(Facebook), Catboost(Yandex), DeepAR(Amazon), SARIMAX(statsmodels), and Deep Learning models from gluonTS and pytorch-forecasting libraries.

- **Style Transfer asynchronous telegram bot [Pet project]** — Online, Solo project — *Dec. 2020 - Feb 2021*

  Python | Deep Learning | PyTorch | Computer Vision

  Developed telegram asynchronous bot with a simple queue scheduler, deployed it to Heroku. Implemented two styles of transfer algorithms. The first is vanilla NST, I used the VGG19 model, took some convolution layers, and used special content/style loss to create a new picture. The second is the cycleGan. The third is API solution by DeepMind.

  The third considered way of styling is API solution by DeepMind.

Education

- **Moscow Institute of Physics and Technology** — Moscow, Russia

  Computer Science — *Sept. 2017 - Jul. 2021*

  Average score - 4.55/5.00 (top 10% of the course)

  Math courses: Mathematical statistics, Probability Theory, Higher Mathematics, Optimization methods

  Computer Science courses: Machine Learning, Deep Learning coursers(NLP, CV, RL - basics), Data Engineering, C++, Python, Algorithms and Data Structures, Distributed computing, Databases

Additional Education

Open Courses Online classes

Coursera and DL coursers *Jun. 2019 - Feb. 2021*

Machine Learning and Data Analyses specialization (by Yandex)

Python programming, Continuous Delivery and DevOps, C++ programming, NLP YSDA course, CS231n (CV by Stanford)