

Alexander Smirnov

Amsterdam, Netherlands | +995597716750 | ru.alexander.smirnov@gmail.com | [LinkedIn](#) | [GitHub](#)

WORK EXPERIENCE

Booking.com

Amsterdam, Netherlands

Machine Learning Engineer

Jul 2022 - now

- Enchanting machine learning related backend logic

Myna Labs

Tbilisi, Georgia

Deep Learning Researcher

Feb 2022 - Jun 2022

- Fine-tuning large GPT-like models (GPT-Neo, OPT) on dialogue data to create open-domain dialogue engine
- Deploying models to productions environment
- Collecting and processing dialogue datasets
- Inventing and implementing dialogue engagement mechanics

Ten Square Games

Wroclaw, Poland

Data Scientist

May 2021 - Nov 2021

- Conducted research on players' purchase activity by analyzing ensembles of algorithms using A/B testing to implement best-in-class in-game item recommendations reaching 50M+ consumers, resulting in a 6% increase in revenue from in-game items
- Built forecast models by engineering new features to predict player churn with a 0.8 F1 score
- Collaborated cross-functionally with customer support teams by evaluating automatic issue labeling to resolve payment issues faster

yarus.ru

Saint Petersburg, Russia

Machine Learning Engineer

Aug 2020 - Apr 2021

- Pioneered news & video recommender systems by evaluating different approaches, analyzing customer engagement, designing system architecture end-to-end using microservices, and deploying all modules to increase average session duration on news feed by 20%
- Optimized product by solving cold start, data sparsity, and delayed recommender reaction on users' actions problems to improve CTR by 15%

JetBrains

Saint Petersburg, Russia

Machine Learning Engineer (Intern)

Sep 2019 - Dec 2019

- Applied segmentation algorithms to 10k core sample images in order to predict core properties

Belkasoft

Saint Petersburg, Russia

Machine Learning Engineer (Intern)

Jul 2019 - Aug 2019

- Trained NSFW detection models and augmented data to boost the model performance by 10%

EDUCATION

Moscow Institute of Physics and Technology

Moscow, Russia

Master of Science, Artificial Intelligence

2023

Saint Petersburg State University

Saint Petersburg, Russia

Bachelor of Science, Computer Science

2021

- Degree Thesis: *A hybrid approach for news recommender system*
- Course Thesis: *Core sample images segmentation*

ADDITIONAL EXPERIENCE

Projects: [TrumpBot](#), [Meme App](#), [Terminal Tetris](#), [Siamese Neural Networks](#), and more

Hackathons: Participant in 6+ hackathons, including multiple top 3 awards

Online Courses: Statistics, Supervised / Unsupervised Learning, Sequence Models, and more

SKILLS

Skills: NLP (GPT, BERT, word2vec, transformers, nltk, gensim), Deep Learning (LSTM, DCGAN, ResNet, DQN), Machine Learning (trees, boosting, clustering), Big Data (Hadoop, HDFS, MapReduce, Hive, PySpark, Airflow), Python (PyTorch, pytorch-lightning, surprise, optuna, wandb, flask), Databases (S3, MySQL, MongoDB, PostgreSQL, Vertica), Linux (arch, i3, vim, zsh), C++, C#, Java