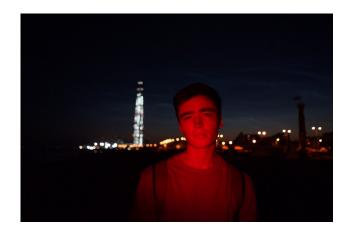
Aleksandr Shirokov

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► https://t.me/aptmess, Saint-Petersburg

https://github.com/aptmess

/ +79500150640



Education

September 2021 -

September 2020 –

September 2019 – January 2020 September 2017 – June 2021 Big Data and Machine Learning, Master's degree, ITMO

Ozon Masters, Data Science and Data Engineering

Machine Learning, Tinkoff Fintech Generation

Bachelor. Applied Math and Computer Science, Unecon

2010 - 2017

Physical and Mathematical Lyceum 239

Work experience

January 2022 -

Junior Big Data Engineer. Grid Dynamics

October 2021 – January 2022

May 2021 - October 2021

October 2020 – December 2020

July 2019 - October 2019

Junior Data Engineer. GreenAtom

Junior Data Engineer. 4people

Data Science Expert. Skill-Factory

Junior Data Analyst. Adhack.io, Intern: targeting advertising with ML models, data collection and preprocessing, hypothesis testing

Skills

Programming Languages

Python 3.x (2.5 years), Java (1 year), SQL, LaTeX.

Data Engineering

• Virtualisation: Docker, Docker Compose, GitLab CI/CD, Kubernetes, Helm

• Data Orchestrator: Airflow, Dagster

• Data Queue: RabbitMQ

• BigData: HDFS, Hive, Yarn, Hadoop, MapReduce, PySpark, Apache Zeppelin

• Linux: Linux utilities, Git Flow, DevOps skills

Skills (continued)

Databases Mysql, Postgresql, ClickHouse, Redis, MongoDB, Cassandra

Math Linear Algebra, Discrete Math, Mathematical Analysis, Theory of Probability, Mathematical Statistic, Theory of Algorithms

Data Science

- Machine Learning: NumPy, pandas, SciPy, scikit-learn, XGBoost, CatBoost, LightGBM, Optuna, AutoML
- Time Series: statsmodels, Prophet, GLM
- Visualisation: Matplotlib, Seaborn
- Deep Learning: Keras, PyTorch, Tensorflow 2.x
 - CV: OpenCV, Albumentations, torchvision, Grad-Cam
 - NLP: HuggingFace Transformers (DistilBERT, RoBERTa, BERT), DeepPavlov, Gensim, Korus, NLTK, Spacy, Regular Expressions

Python

- **Testing**: pytest, pytest-coverage, pytest-mock, unit/integration tests, pydantic
- Logging: logging, python-json-logging, loguru
- Python Web: Flask, Bootstrap, Jinja2, SQLAlchemy, Flask-SQLAlchemy, FastAPI, httpx, aoi-pika. Optional: HTML, CSS, JS skills.
- Console: argparse, click
- **DB Connectors**: PyMySQL, psycopg2, sqlite, clickhouse-driver
- Secrets: Vault

Languages Russian - native, English - reading, Languages Russian - native, English - reading, Languages

Achievements

January 2022 Sbermarket competition. Predict Next Purchases Clusters. DS Works Competition, 18^{th} of 69, bronze medal. *Solution*.

Codenrock New Year ML Battle. Santa Claus Classification. Codenrock competition, 1th of 45 public (nelepie), prize-winner. Solution.

July-August 2021 Digital Breakthrough Contest. Museum Items Classification. All Cups Competition, 21th of 92, prize-winner. Solution.

Digital Breakthrough Contest. Missing Planes Founder. All Cups Competition, 10^{th} of 177, prize-winner

February-July 2021 | Diploma Paper. Text.

June-July 2021 MCS 2021. Gesture recognition. Boosters Competition, Solution.

Achievements (continued)

Prediction of Popularity of Science Publication. JetBrains Invitation for March 2021 Practice » Solution. \blacksquare Data Fusion Contest: Goodsification. Boosters Competition, 49^{th} of 265, February-March 2021 Bronze Medal » Solution. Gazprom Neft Hackathon. Invitation Sochi Sirius » Solution. February 2021 Travelling Santa CVRP Problem » Solution. December 2020 Course work. Implementation of algorithms for aggregating performers' ratings on the crowdsourcing platform "Yandex. Toloka" to improve the quality of data markup. » Code and Text GPN Intelligence Cup - Data Engineering. 1th place » Solution. November 2020 Conway's Reverse Game of Life. Kaggle Competition, 87th of 188 » Solution. October 2020 **Ozon Masters Intern.** Kaggle Competition, 10^{th} place of $82 \times Solution$. July 2020