

Pavlo Tyshevskiy

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EDUCATION

Software Architect, UNIT Factory, part of [School 42](#) network 2017-2020
School 42 is a private non-profit IT school focused on peer-to-peer methodology and project-based learning. My individual learning path consisted of more than 20 projects on topics like Algorithms, Data Structures and Machine Learning.

BSc. In Computer Science, NUWM 2016-2020
During my studies, I successfully developed several research projects on optimization algorithms and image processing. I also wrote courseworks on RSA cryptosystem and Database Management.
Thesis: Probabilistic Expert Systems.

EXPERIENCE

Data Scientist, SKF AI 2019-2020
SKF AI department focus is on Anomaly Detection and Prediction for Predictive Maintenance. Being part of the Automation team, I scaled the processing pipeline to millions of machines streaming high-density time series sensor data. I was also solely responsible for the research into novel methods of Outlier Detection and Hyperparameters Optimization.

Technologies:

- Python
- PyTorch
- AWS
- Elastic Search

Middle Machine Learning Engineer, Rakuten Intelligence 2019-2020
Being part of the Personalization team, my focus was to provide users with targeted cash-back so as to increase brand loyalty or secure a potential buy from a certain category. I also did research into merchant-to-user and user-to-merchant recommendation systems.

Technologies:

- Python
- PyTorch
- AWS
- Snowflake

Junior Computer Vision Engineer, GlobalLogic Ukraine 2018-2019
I was part of a research team for one of the top players in the Automotive industry. My responsibilities included data preprocessing, visualization and statistical modeling. Tackled problem of camera-to-LiDAR auto-calibration, Driver Face Recognition and Gaze Tracking, Multi-object tracking on LiDAR data.

Technologies:

- C++
- Python
- PyTorch
- OpenCV

ACHIEVEMENTS

- 800+ reputation on [StackOverflow](#)
- Over 40 open-source projects on [Github](#)
- Volunteer experience as a mentor, translator and technical writer at UNIT Factory