

Oleg Ryakhovsky

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PROFILE

Deal with Deep Learning, Computer Vision and Machine learning over one year. Started carrier as Telecommunications engineer, worked a lot with statistics of cellular networks, then came to data analysis and development area.

Interested in future development as a Data Scientist, preferably in fields of Computer Vision or Big Data Analysis.

Addicted to ml4sg ideas, collaborate at Lacmus DL project <https://lacmus-foundation.github.io/>.

PROJECTS

1. "Sharp-In": Deep learning solution for improvement of poor quality drone images

Practically used in rescue of lost people in wild territories.

<https://github.com/lacmus-foundation/sharp-in>

2. Augmented dataset preparation projects:

Image Inpainting:

https://github.com/lacmus-foundation/lacmus/tree/master/data_utils/imgGenerator

Bounding Boxes crop utility:

https://github.com/lacmus-foundation/lacmus/tree/master/data_utils/bboxCropper

KAGGLE

Fraud detection (ML):

<https://www.kaggle.com/c/ieee-fraud-detection>

Image recognition (DL):

<https://www.kaggle.com/c/hotdogornot>

Others:

<https://www.kaggle.com/caba7005452/competitions>

SKILLS

Languages: #Python #SQL

Libraries: #Keras #pandas #sklearn #LGBM #Pytorch #Tensorflow #matplotlib #XGboost #CatBoost #OpenCV #numpy

PROFESSIONAL EXPERIENCE

NOKIA NETWORKS - Automation systems developer

Analyzed bottlenecks and time losses in equipment delivery process. Based on analysis:

- Created an ML tool for delivery delays prediction.
- Wrote and implemented numerous handy tools to improve efficiency of logistic staff.
- Developed a server based application for: a) automated collection, generation and distribution of different progress reports, b) automated sending of action reminders to process stakeholders, c) running minor scheduled processes in company's intranet.
- Wrote an application for running transactions in SAP to eliminate manual work.

As a result I'm saving to company over **5000** man-hours per year.

2018 - now

HUAWEI Tech.Co - Managed Services Procurement department, leader

- Wrote applications for tenders results analysis and visualization.
- Improved contracts preparation process with saving apx 2 man-hours per one contract by mean of simple code.

2014 - 2018

PromKompozit, OOO - Engineer

- Developed an application for analysis of possible angular velocity of spinning airplane based on airframe and foil parameters.

2013 - 2014

NOKIA NETWORKS - Radio network expert

- Projecting, analysis and optimization of 2G-3G networks

2004 - 2012

Vimpelcom, OAO - Radio network statistics engineer

- Statistical analysis and optimization of 2G networks

2002 - 2004

Ericsson Russia - Radio network engineer

- Projecting of 2G networks

2000 - 2002

EDUCATION

Moscow Power Engineering Institute - Qualified as Radio Engineer

1993 - 2000

Machine learning and Deep learning courses at ODS.ai

2019