

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:

Bounding Boxes crop utility:

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

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/c/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: <ul style="list-style-type: none">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 <ul style="list-style-type: none">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 <ul style="list-style-type: none">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 <ul style="list-style-type: none">Projecting, analysis and optimization of 2G-3G networks	2004 - 2012
Vimpelcom, OAO - Radio network statistics engineer <ul style="list-style-type: none">Statistical analysis and optimization of 2G networks	2002 - 2004
Ericsson Russia - Radio network engineer <ul style="list-style-type: none">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