



Maxim



14 February 1998



Russia



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<https://github.com/col14m>



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Skills

computer vision



machine learning



matlab



python



c++



(*)[The skill scale is from 0 (Fundamental Awareness) to 6 (Expert).]

Education

since 2016 Bachelor of Sciences in Physics and Mathematics
Moscow Institute of Physics and Technology
GPA: 4.74/5.00

Experience

- 2017 Ivannikov Institute for System Programming of the RAS
laboratory assistant
Work was associated with compilers and virtual machines, language - C ++
- 2018 Skolkovo Institute of Science and Technology
Summer internship
Bayesian optimization research, work with Gaussian processes, improvement of optimization accuracy
- since march 2019 Visillect/Institute for Information Transmission Problems RAS
C++, Python developer
MARINA - License Plate Recognition Project

Publications

- 2018 Heteroscedastic Gaussian processes and their application to Bayesian optimization
Information technologies and systems (ITaS) 2018
- 2019 Algorithm for automatically determining the mask of areas of interest in searching for objects based on their motion paths
Information technologies and systems (ITaS) 2019

Skills

Programming: python, C++, matlab, C, Assembler
ML: sklearn, xgboost, lightgbm, catboost
CV: opencv, ffmpeg
Data workflow: numpy, pandas
Deep learning: pytorch, keras, tensorflow
Extra: Qt, bash, latex, git, svn, docker

Awards

- 2017 Scholarship of Abramov and Frolov fund for excellent educational results

Activities

Mail.ru group student laboratory of Computer Science:
teaching assistant for the first year students

Hackathons:

Phystech.Genesis - 2st place. Work with 3d graphics and control algorithms

Open Source:

Commit to catboost

MOOCs

Neural networks and computer vision
Algorithms: theory and practice. Methods

Extra courses

Intel research student laboratory (iLab):
C programming language, algorithms and data structures
C++ programming language