MARAT KANZAFAROV
Curriculum Vitae

Contact Information
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Email: m.kanzafarov@gmail.com

Professional Experience and Employment History
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2020-
Kaggle Experience

Kaggle Expert

Competitions and results
- Plant Pathology 2021: Top 1%
- Plant Pathology 2020: Top 2%
- Cassava Leaf Disease Classification: Top 7%
- Global Wheat Detection: Top 10%

2017-
Various computer vision projects

Team lead

Developing backends, processing from hundreds of thousands to millions of images, training models, parsing logs, drawing plots.

Technology stack
- Annoy
- Celery
- Docker
- Faiss
- Flask
- Git
- Mahotas
- Matplotlib
- MMDetection
- NLTK

- NMSLIB
- NumPy
- OpenAI CLIP
- OpenCV
- Pandas
- Pillow
- PostgreSQL
- Pydicom
- Python
- Python multiprocessing
- Pytorch
- pytorch-image-models (timm)
- RabbitMQ
- Redis
- SciPy
- scikit-image
- scikit-learn
- seaborn
- segmentation_models.pytorch
- Tensorboard
- Tensorflow
- umap-learn
- various YOLOs

2016-2017
Computer vision project

Backend team lead

Designed and implemented the backend of the computer vision project.

Technology stack
- Celery
- dlib
- Flask
- Git
- NumPy
- OpenCV
- Python
- scikit-image
- Tensorflow

2015-2016
NCT

Team lead

Designed and implemented mail and storage systems, service daemons. Conducted code reviews, 100+ job applicant interviews.

Technology stack
- FastCGI
- Git
- Nginx
- Openstack Swift
- Perl
- PostgreSQL
- Redis

2013-2015
Westudy

Backend team lead

Designed and implemented the backend of the educational platform.

Technology stack
- Git
- Mojolicious
- Nginx
- Perl
- PostgreSQL

2013
Yandex

Software developer

Developed the Direct API.

Technology stack
- Git
- Perl
- MySQL

2011-2013
Sputnik.ru (search engine)

Senior software developer

Designed and implemented the backend of the inner assessors website, which was used for improving search engine results page, xml parsing.

Technology stack
- Apache
- Hadoop
- Perl
- PostgreSQL
- SVN

2009-2011
CityInfo

Software developer

Designed and implemented the backend of the informational website, service daemons.

Technology stack
- Apache
- GeoIP
- Nginx
- Perl
- PostgreSQL
- SVN

2007-2009
Mail.ru Group

Software developer

Redesigned and implemented the backend of **auto.mail.ru** (one of the most visited websites in the CIS), car marketplace, image storage and processing, xml parsing, service daemons.

Developed the Q&A web service **otvet.mail.ru** and network community platform **forum.*.mail.ru**.

Technology stack
- Apache
- ImageMagick
- Memcached

- MySQL
- Nginx/ow
- Perl
- SVN

Education
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1999-2005
Lomonosov Moscow State University (Faculty of Physics, Computer Methods in Physics)