Alex Konev

ML/DL specialist [alkonev111@gmail.com](mailto:alkonev111@gmail.com%20) **·** Moscow, Russia

# EXPERIENCE

## Yandex

Machine Learning Developer - Moscow, Russia Developing video recommender system. I work on the whole pipeline: logs processing/data collection/model training/AB-testing/models deployment

*March 2020 onwards*

## Yandex.Market

Intern analyst

Developed a recommender system for categories. Re- sponsibilities: data collection/model training/AB- testing

*May - August 2019*

# EDUCATION

## M.S. Data Science

Skoltech

Developing DL models for multimodal trajectory pre- diction for self-driving cars

*2018-2021*

## B.S. Physics

Lomonosov Moscow State University

*2014-2018*

# AWARDS & RECOGNITION

## Open AI Caribbean Challenge

Rooftops classification using satellite data. Used CNN models + smart stacking

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[*Link to a post in organizers‘ blog*](https://www.drivendata.co/blog/open-ai-caribbean-winners/)

## Kaggle Lyft Motion Prediction for Au- tonomous Vehicles

Bronze: 68 / 925 teams

The task was to predict the trajectory of the agents (cars/bikes/pedestrians etc) around the autonomous vehicle. I combined different approaches of pretrained CNNs and self-implemented graph nets



# AWARDS & RECOGNITION

## International hackathon Ice Vision Chal- lenge

The task was to detect road sings with the inference time restriction

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[*Link*](https://en.icevision.upgreat.one/)

# SKILLS

## Technologies

Python, Pytorch, TensorFlow, ML stack (numpy, scipy, pandas, sklearn etc), SQL

## Math

Machine Learning / Deep Learning (implemented con- volutional nn using pure numpy, writing formulas for backprops) / Numerical Linear Algebra / Large Scale Optimization / Advanced Statistical Methods

## Languages

Russian (native speaker), English (fluent)

**PROJECTS**

## Optimal Control of Satellite Model via Neural Networks [[pdf]](https://disk.yandex.ru/i/68Crp3VaJNq76g)

comparison of deep learning and reinforcement approaches to the task of optimal control of satellite model

## Attention/decision maps [[pdf]](https://disk.yandex.ru/i/a4ErpvvCeptnBQ)

Detecting regions of MRI responsible for health problem