

Akhmedkhan Shabanov

☎ +7(985)541-05-50 | ✉ sha-ahan@yandex.ru | 📷 Ahanio

Education

Moscow Institute of Physics and Technology (MIPT)

B.S. IN APPLIED MATHEMATICS AND PHYSICS

Moscow, Russia

Sep. 2015 - Aug. 2019

- Department of radio engineering and cybernetics
- Bachelor thesis: neural network-based feature point descriptor for matching SAR and Optical images
- GPA 4.65/5

Yandex School of Data Analysis

DATA SCIENCE TRACK

Moscow, Russia

Sep. 2018 - Jun. 2020

Passed following courses: Algorithms and Data Structure, Applied Statistics, Deep Learning, Python, Machine Learning.

Research and work Experience

QIWI

DATA SCIENTIST INTERN

Moscow, Russia

Jun. 2017 - Aug. 2017

- *Responsibilities:* Develop a recommendation system based on neural networks and compare the results with the currently applied model (it was a research project within the company).
- Developed a recommendation system based on neural networks (it was a research project within the company).
- The proposed model increased conversion metric in 2 times and AUC metric in 1.5 times (the previous approach was based of random forest).
- There is an article about the project in Russian: <https://clck.ru/HnX8a>

Collaboration with MIPT PostDoc

RESEARCHER

Moscow, Russia

Feb. - May. 2018

- Published paper «A multilayer neural network for determination of particle size distribution in Dynamic Light Scattering problem» in Computer research and modeling journal.
- Advisor: Petrov Mikhail

Computer vision lab at IITP

IITP - THE INSTITUTE FOR INFORMATION TRANSMISSION PROBLEMS AND DATA ANALYSIS

Moscow, Russia

Nov. 2018 - present

RESEARCHER

- Develop solutions of incoming tasks of computer vision, the last task was about image registration (based on which I wrote my Bachelor thesis).

European Molecular Biology Laboratory (EMBL)

DEEP LEARNING ENGINEER INTERN

Heidelberg, Germany

Jul. 2019 - Sep. 2019

- Image processing of biological images using computer vision techniques. Particularly segmentation of cells' nucleolus in video recordings and segmentation of embryo vertebrae in video recordings too.
- Advisor: Anna Kreshuk

Collaboration with Skoltech's group

RESEARCHER

Moscow, Russia

Jul. 2019 - present

- My part of a big project is to improve Iphone's estimation of depth map.
- Advisor: Dmitry Ulyanov

Achievements

2nd place at Junction

JUNCTION - BIGGEST HACKATHON IN EUROPE

Helsinki, Finland

Nov. 2018

- Used such techniques like voice recognition, voice verification, autoFAQ and telegram API to improve operator-client experience.
- Our team introduced a working prototype.

2nd place at Vision Hackathon organized by Cognitive Technologies

COGNITIVE TECHNOLOGIES – RUSSIAN SOFTWARE CORPORATION THAT DEVELOPS CORPORATE BUSINESS-

Moscow, Russia

Sep. 2017

APPLICATIONS, AI-BASED ADVANCED DRIVER ASSISTANCE SYSTEMS

- Developed a model capable to automatically detect possible occurrences on the road on videos (like road bump, zebra, screen wipers detection).
- There is an oral presentation [goo.gl/zJwQJt] of our solution
- Won 10k \$

Skills

Programming	Python, C/C++
Data analysis tools	Numpy, Pytorch, TensorFlow, openCV, Pandas, Pyplot, Scikit-Learn
Languages	Russian, English