

NIKOLAEV MIKHAIL

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EDUCATION

Moscow Institute of Physics and Technology Master's degree in Applied Math and Computer Science Department of Innovation and High Technologies Thesis: Information Theory in Deep Learning MIPT is the best place in Russia to study CS according to THE World University Rankings	<i>2018-2024</i>
Yandex School of Data Analysis Degree in Machine learning Development of ML	<i>2020-2023</i>

PROFESSIONAL EXPERIENCE

SberAutoTech, Moscow <i>CV engineer and developer</i> <ul style="list-style-type: none">Added semantic and instance segmentation in 2d pipeline. Creating a fusion between segmentation and other perception topics.Created a 2d image balanced dataset.Developed an algorithm for detecting objects and emissions in point cloud.Added road lines detection in 2d and 3d.Owner of several perception nodes.	July 2022 - present
Visper.tech, Moscow <i>CV engineer and developer</i> <ul style="list-style-type: none">Improved conversation quality and realism of AI avatar. Added a lipsync for the English language.Added features such as recoloring the Avatar's hair, adding facial expressions and gestures for the avatar.Created and automated the character quality assessment process.	July 2021 - June 2022
DeepPavlov, Moscow <i>Researcher and developer</i> <ul style="list-style-type: none">Participated in the creation of Multiskill AI Assistant. Made a voice interface (based on Text-To-Speech). Made a supported knowledge bot database.	Februrary 2021 - May 2021
Hybrid Intelligent Systems lab, Moscow <i>Researcher and developer</i> <ul style="list-style-type: none">Got the results in recognition faceid, mouth tracking, gaze tracking and head pose.	August 2020 - March 2021

TECHNICAL SKILLS

Programming languages	Python, C++, Java, HTML, Bash
Technologies and Tools	Git, Unix, Docker, Dvc, S3, JIRA
Frameworks	Flask, ROS, PyTorch, Tensorflow, opencv, mmcv
Databases	PostgreSQL, Neo4j, Spark

HONORS AND AWARDS

HSE Olymliad of students in Game Theoty 2020, Russia. More 5000 participants from 30 cities. This is one of the most prestigious Olympiads in game theory in Russia.	Bronze medal
Moscow Math Olimpiad 2018, Russia. More than 5000 participants. This is one of the most prestigious Olympiad in math, held in Moscow	Silver medal
International Mathematical Society Tournament of Cities 2018, Russia. More than 100 cities of more than 25 countries. This is one of the most prestigious international Olympiad in math	Winner's Diploma

International Zhautykov Olympiad in Math**Bronze medal**

2017, Kazakhstan. 137 participants from 14 countries. The IZhO is one of the most prestigious computer science competitions in the CIS region and Eastern Europe for secondary school students.

Kolmogorov International mathematical Tournament**Bronze medal, 1st league**

2017, Russia. More than 50 participants. This is the most prestigious team math tournament.

Member of the Moscow national team in mathematics(2016-2018)