Abdrazakov Linar

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About me

I am a first year student of the Moscow Institute of Physics and Technology. I like programming.

Skills

Machine Learning

Deep Learning

Python

C++

Linux

JavaScript

HTML & CSS

Computer Vision

Git

Physics

Mathematics

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

Education

2018 - 2022 Moscow Institute of Physics and Technology — Moscow
Department of Aeromechanics and Flight Engineering.

Hackathons, competitions and activity

2019 ABBYY Hackathon "Absolute Intelligence" by Artificial Intelligence profile. Won the second prize.

2019 Olympiad "I am a professional" by Artificial Intelligence profile. I am waiting results.

2018 The Olympiad of the National Technology Initiative for the "Smart Home" profile is a prize winner.

2018 Olympiad of the National Technology Initiative for the Unmanned Aviation Systems profile is a winner.

2018 Educational intensive "Island 10-21". Profile Big Data and Artificial Intelligence.

2018 The regional stage of the All-Russian Olympiad of Schoolchildren in Physics in the 11th form is the winner.

2017, March Physical change in the Educational Center "Sirius".

2017, Feb Project change in the Educational Center "Sirius".

2017 The regional stage of the All-Russian Olympiad of Schoolchildren in Physics in the 10th form is the winner.

2016, March Physical change in the Educational Center "Sirius".

2016 The regional stage of the All-Russian Olympiad of Schoolchildren in Physics in the 9th form is the winner.

Courses

Coursera:
Math and Python for data analysis by Yandex and MIPT.
Search for structure in data by Yandex and MIPT.
Learning on marked up data by Yandex and MIPT.

Stepic:
Python programming.
Introduction to Programming (C++).
SSH tricks.
Algorithms: theory and practice. Methods.
C++ programming.
Git Basics.
Javascript for beginners.
Introduction in Robot Operating System.

Educational projects

Model car with autopilot.
This is an educational project to develop a model of a car with autopilot. It uses a Raspberry Pi microcomputer, an Arduino microcontroller, a camera, and other sensors. The model can drive along a road made of sheets of white paper. The model uses a convolutional neural network (CNN) to determine the direction of motion and the Robot Operating System (ROS). For the experiment was taken radio control toy car the Lamborghini Aventador with scale 1:10.

Code. Video.