* October 1, 1997

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Skills & Strengths

Hard Skills

- Python
- C++
- MATLAB
- Robot Operating System (ROS)
- Linux
- Git
- CAD systems
- Computer Vision
- TeX

Soft Skills

- Hard-working
- Purposeful
- Resolute
- Modest
- Ultimate team player

Eager to deepen knowledge about:

- Algorithms and databases
- Statistics
- Machine learning

Visit my Web Site

PROFILE

Studying for a master's degree in Innopolis University, Russia. Majoring in robotics and mecha-tronics. Have solid knowledge in the control, kinematics, dynamics of robots. Have experience soldering and assembling circuits, as well as being able to simulate robots.

Have knowledge in ML: types of training, implementation of various networks and their application, recognition, detection of objects, how to collect, augment datasets and make custom data loaders for them and so on.

Also, worked a lot of time with OpenCV: image processing, video frames, object detections: the distance to the object calculation using stereo vision; detection of the number plates of the cars using a camera; ping-pong ball tracking, etc.

Now is also interested in telegram bots.

EDUCATION

2019 - 2021 **Computer Science |** **master degree** **Innopolis University**

Thesis Project:
The dynamic walking of quadruped robot
Article:
Stiffness analisys of the Tripteron parallel manipulator
Achievements:
Reward for outstanding academic achievements (in full 2020 calendar year) and extracur-ricular accomplishments

2015 - 2019 **Mechatronics and Robotics |** **bachelor degree** **Bauman Moscow State Technical University**

Thesis Project:
the development and control of a vertically walking robot with vacuum suction cups
Article:
Simulation in MATLAB of a vertical walking three-link robot
Achievements:
The best student of the robotics department (2018)

EXPERIENCE

Aug, 2018 - Feb, 2019 **Engineering Assistant |** **JBL Robotics** **Moscow**

- Developed ROS nodes to control the robot barista
- Designed the stands for cups and the gripper for the robot itself

ACHIEVEMENTS

Oct, 2020 - Nov, 2020 **Computer Vision Specialist |** **"Aerobot 2020" Competition** **1st Place**

- Developed ROS node in order to get the offset and rotation of the line with respect to the drone camera
- Developed ROS node in order to get the position of the landing stage and remember is so drone could return back after finishing the task

Languages

Russian ●●●●●●
English ●●●●○○

Interests & Activities

Swimming | Gym | Cinema | Driving | Travelling