ILIA SEVOSTIANOV

Computer Vision Engineer

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EXPERIENCE

CV engineer

Autonomous Technologies Laboratory

Feb 2021 – Innopolis, Russia

- Development of LED marker system for precise drone landing
- Development of safe landing system for UAV
- Development of LDWS system for electrobus
- Neural network deployment, sensors calibration on a KAMAZ truck

Engineer Assistant

JBL Robotics

Aug 2018 – Feb 2019 Moscow, Russia

- Development of ROS nodes to control a barista robot
- Design of cup holders and a gripper for the robot barista itself.

SKILLS

Python
C++, C
CV|ML OpenCV, TensorFlow, PyTorch, Detectron2, clearML
ROS1|2
Linux
Git

CAD SolidWorks, КОМПАС 3D

Tex

English
Russian

PROFILES

Github

- The main profile on which open source code and projects are available

WebSite

- Private website-portfolio

LinkedIn

- LinkedIn link

ACHIEVEMENTS

- Diploma for Outstanding Contribution to Science, 2021 year, Innopolis University
- Diploma for Outstanding Academic Achievements (full calendar year 2020) and Extracurricular Achievements, 2020 year, Innopolis University
- Aerobot 2020 competition. Victory. The line and landing platform of the UAV detection
- Best Student of the Robotics Department, 2018 year, Bauman Moscow State Technical University

PUBLICATIONS

- Мудийанселаге Г. П. К. К., Трихлеб Д. В., Севостьянов И. Е. ВЫЧИСЛЕНИЕ ОПТИМАЛЬНОЙ ТРАЕКТОРИИ В ТРЕХМЕРНОМ ПРОСТРАНСТВЕ С ПРИМЕНЕНИЕМ ОБУЧЕНИЯ С ПОДКРЕПЛЕНИЕМ //Science Time. – 2021. – №. 6 (90). – С. 34-37.
- Севостьянов И. Е., Девитт Д. В. СИСТЕМА ВИЗУАЛЬНОГО ПОЗИЦИОНИРОВАНИЯ МНОГОРОТОРНЫХ БЕСПИЛОТНИКОВ ДЛЯ СОВЕРШЕНИЯ ВЫСОКОТОЧНОЙ АВТОНОМНОЙ ПОСАДКИ //Science Time. – 2021. – №. 6 (90). – С. 38-42.
- ИВАНЮТЕНКО В. Е. и др. СИСТЕМА ОПРЕДЕЛЕНИЯ ЗОНЫ ПРИЗЕМЛЕНИЯ БПЛА ДЛЯ ЗАДАЧИ БЕЗОПАСНОЙ АВТОНОМНОЙ ПОСАДКИ //Школа молодых новаторов. – 2021. – С. 98-101.
- Kirsanov D. et al. Stiffness analisys of the Tripteron parallel manipulator //2020 International Conference Nonlinearity, Information and Robotics (NIR). – IEEE, 2020. – С. 1-6.
- Kalinichenko S. V. et al. Simulation in MATLAB of a vertical walking three-link robot //AIP Conference Proceedings. – AIP Publishing LLC, 2019. – Т. 2195. – №. 1. – С. 020008.

EDUCATION / COURSES

Convolutional Neural Networks

Jan 2022 — DeepLearning.ai

Structuring Machine Learning Projects

Dec 2021 — DeepLearning.ai

Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization

Nov 2021 — DeepLearning.ai

Neural Networks and Deep Learning

Oct 2021 — DeepLearning.ai

Robotics and Computer Vision Master Degree

Thesis: Quadruped Robot Development

2019 – 2021 — Innopolis University

Robotics and Mechatronics Bachelor's Degree

Thesis: Vertically Stepping Robot

2015 – 2019 — BMSTU