Yury Prokhorov

Curriculum Vitae

✆ +7 (985) 587 01 22
✉ prokhoryurij@gmail.com
github.com/suchusername
Bachelor of Science at MIPT
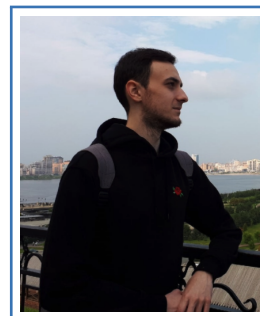
Education

2017–2021	**Bachelor of Science (BS) in Applied Mathematics and Physics**. Department of Control and Applied Mathematics (DCAM) at Moscow Institute of Physics and Technology (MIPT). *Total GPA – 9.32 / 10*.
2021–Present	**Master of Science (MS) in Applied Mathematics and Physics**. Phystech School of Applied Mathematics and Informatics at Moscow Institute of Physics and Technology (MIPT).
2019–Present	Institute for Information Transmission Problems and Data Analysis (IITP)

Experience & Projects

C++/Python	**Multicamera multiple object tracking by detection**, Bachelor's thesis. A system to track multiple similar looking people using cues from multiple cameras with overlapping fields of view is proposed. This work is part of my current research at «Vision systems» laboratory (lab. 11) at IITP. The research is supervised by Teplyakov L.M.
Python	**Remote controller for PTZ IP-cameras**, , networking class project. The Telegram bot for controlling pan-tilt-zoom ip-cameras and automatically detecting vehicles and pedestrians has been created. The project was supervised by Podlesnykh D.A. (read more)
C++/Python	**Sound track editor and classifier**, , ICT class project. A final course project for the ICT class. A C++ API for various WAV files transformations has been created. Also a neural algorithm for musical instrument recognition has been designed in Python. The project was supervised by Babichev S.L. (read more)
Python	**Neural algorithm for variational calculus problems**, , optimization class project. A flexible algorithm based on neural networks is proposed for solving different calculus of variations problems. The project was supervised by Merkulov D. (read more)

Completed Courses

MATHEMATICS	Linear Algebra, Probability Theory and Stochastic Processes, Mathematical and Applied Statistics, Calculus (I, II, III, IV), Optimization Methods and Optimal Control Theory, Computational Mathematics, Functional Analysis, Differential Equations, Abstract Algebra, Discrete Mathematics *(Total GPA – 9.44 / 10)*

COMPUTER SCIENCE	Object Oriented Programming (C++), Hardware and Operating Systems (Linux), SQL and Databases, Algorithms and Data Structures, Parallel Algorithms, Networking, Cybersecurity *(Total GPA – 9.86 / 10)*
MACHINE LEARNING	Introduction to Data Analysis, Mathematical Foundations of Machine Learning, Applied Models of Machine Learning, and other *(view certificates)*

Languages

Russian (native), English (fluent, Advanced C1), German (basic, Elementary A2)

Interests

Watching and playing football, psychology, dogs and other animals