

# Aleksandr Nevarko

DATA SCIENCE · SOFTWARE ENGINEER

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## Summary

I am a 5-year student at MIPT and a 1-year student at Skoltech. I am keen on programming, physics, maths and mostly all other technical sciences. My main hobbies are cars and chess. I have an entrepreneurial spirit and a lot of will to create new interesting projects. I am looking forward to learning new areas of computer science and applications of physics and maths in it.

## Experience

### Skoltech

RESEARCHER

Moscow, Russia

Dec 2020 - present

- Asymmetric telepresence system via Microsoft Kinect and VR glasses. 3D Computer vision. Scientific director prof. Victor Lempitsky.

### Huawei

ENGINEER IN RESEARCH AND DEVELOPMENT

Moscow, Russia

Nov 2020 - Feb 2021

- Data analysis digital signal processing in fiber optic communication systems.

### Acronis

GOLANG INTERN IN RESEARCH AND DEVELOPMENT

Moscow, Russia

Sep 2019 - Jul 2020

- Developing REST API Intelligent Fuzzing tester as a graduate work. The tool may become an opensource competitor for an analog from Microsoft Research RESTLer. Scientific director Anna Melekhova.

### Laboratory for modeling and designing special computing architectures, MIPT

MIPT, Moscow, Russia

PYTHON DEVELOPER / PHYSICIST

Jul 2019 - Oct 2020

- Integrated a physical model of a ballistic rocket into the project.
- Developed a physical engine for phased antenna arrays.
- Improved a graphical phased antenna array geometry redactor.

### MIPT Student Council

MIPT, Moscow, Russia

HEAD OF IT-DEPARTMENT

May 2017 - Dec 2018

- Created an access system for public places, such as washing rooms in dormitories, consisting of a web-site and an electronic locker for key-cards (frtk.mipt.ru).

### School Self-government Council

Lyceum 2, Moscow, Russia

HEAD OF SCHOOL SELF-GOVERNMENT COUNCIL

Sep 2015 - Jun 2016

- Implemented a humanitarian support project for Russian-language schools in Kyrgyzstan. About 5 tons of Russian-language textbooks were collected in Moscow and distributed to 14 schools in Kyrgyzstan.
- Founded a charity fair, the profit of which went to help children with health problems in orphanages.

## Education

### Moscow Institute of Physics and Technology

Dolgoprudny, Russia

DEPARTMENT OF RADIO ELECTRONICS AND CYBERNETICS

2016 - 2022

SUB-DEPARTMENT OF THEORETICAL AND APPLIED INFORMATICS, AFFILIATED WITH ACRONIS

2018 - 2020

INSTITUTE FOR INFORMATION TRANSMISSION PROBLEMS

2020 - 2022

### Skoltech

Skolkovo, Russia

DEPARTMENT OF DATA SCIENCE

2020 - 2022

## Skills

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<b>Languges</b>	English (upper intermediate), German (B1)
<b>Programming</b>	Python, Go, C/C++, git, Linux
<b>Maths</b>	Linear algebra, mathematical analysis, differential equations, probability theory, etc.
<b>Physics</b>	General physics, quantum mechanics
<b>Soft Skills</b>	Leadership, communications, teamwork

## Honors & Awards

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2018	<b>Winner of the Russian stage</b> , Red Bull Basement University	<i>Moscow / Berlin</i>
2016	<b>Final Stage Winner</b> , Russian National Physics School Olympiad	<i>Sochi, Russia</i>