

# Aleksandr Nevarko

COMPUTER SCIENCE · SOFTWARE ENGINEER

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## Summary

I am a 4-year student of MIPT. I am keen on programming, physics, maths and mostly all other technical sciences. I have an analytical mindset, 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, such as Data Science, High Load systems, Distributed systems, applied mathematics.

## Experience

### Acronis

Moscow, Russia

INTERN IN RESEARCH AND DEVELOPMENT

Sep 2019 - Present

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

### Laboratory for modeling and designing special computing architectures

MIPT, Moscow, Russia

PYTHON DEVELOPER / PHYSICIST

Jul 2019 - Present

- 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 aid 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 - 2020

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

2018 - 2020

## Skills

### Programming

Python, Go, C/C++, git, Linux

### Maths

Linear algebra, mathematical analysis, differential equations, probability theory, etc.

### Physics

General physics, quantum mechanics

### Soft Skills

Leadership, communications, teamwork

### Languges

English (upper intermediate), German (B1)

## Honors & Awards

2018 **Winner of the Russian stage**, Red Bull Basement University

Moscow / Berlin

2016 **Final Stage Winner**, Russian National Physics School Olympiad

Sochi, Russia