



# Evgenii Safronov

## Curriculum Vitae

### Education

- 2017–2019 Master of Science, Skolkovo Institute of Science and Technology, Moscow, current GPA – 5/5.  
Space and Engineering Systems
- 2013–2017 Bachelor of Science, Applied Mathematics and Physics, Moscow Institute of Physics and Technology, Dolgoprudnyy, Diploma with honors, GPA – 4.92/5.  
Department of General and Applied Physics

### Bachelor Thesis

- Title Optimization of one and two superconducting qubit gates
- Supervisors Kirill Shulga & Gleb Fedorov, Russian Quantum Center
- Description Development of a Python framework and modelling different qubit systems.

### Experience

#### Vocational

- 2017-2018 Eurobot Open, Skoltech.  
Skoltech won past 2 national competitions and took 5<sup>th</sup> place at Finals. This year I'm the captain of Skoltech's team.

Key responsibilities, goals, instruments:

- General care about robots construction/solutions
- Linux, ROS, Raspberry Pi
- Behavior trees
- Optimization methods for reactive robot strategy
- Path planning
- LIDAR + Particle Filter navigation

<https://github.com/SkoltechRobotics/ros-eurobot-2018>

<https://github.com/SkoltechRobotics/Eurobot2018>

2017 Eurobot Open, Russian finals participation.

We participated with a friend without almost no support from MIPT. I contributed into every part of project – from the fundraising and administrative functions to programming and assembly.

Key technologies used:

- Linux
- ROS
- Python, C++
- Arduino, Raspberry Pi
- Solidworks, 3D printing

### Internships

2016, Summer Internship, Helmholtz-Zentrum Berlin, Berlin, Germany, Project “Photon-random walk model for diffuse transient absorption spectroscopy”.  
Poster presentation

### Other

2016 – 2017 Junior researcher, Russian Quantum Center .

2016 UMNIK Finals, MIPT.  
competition for novel projects in tech

2016, Speed Dealing, Robotics Expo 2016.  
Autumn Oral presentation

2015–2016 Website development, [dati.mipt.ru](http://dati.mipt.ru), Department of Applied and Theoretical Informatics.

2014–2015 Tutor, “Ваш репетитор”.

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### Awards

2017 International Olympiad in Theoretical Physics, Gold Medal of the contest & The best solution of the third problem

2016 Best general physics exam performance

2011-2013 Winner of many regional stages of All-Russian school olympiad ( astronomy, informatics, math and physics). Participant of the finals in astronomy and physics.

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### Programming & related skills

Languages C++, C, Python, JavaScript, CoffeeScript, Matlab, PHP

Markup HTML & CSS, L<sup>A</sup>T<sub>E</sub>X

Other Linux, ROS, <https://github.com/safoex/>

Also Algorithms and Data Structures – succesfully participated in several individual and team programming contests in school

Last courses Introduction to Data Science, Optimization Methods - both A

Grades For programming-related subjects in MIPT (out of 10) : 10, 10, 9, 10, 10

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## Languages

Russian    Mother tongue

English    Upper-Intermediate